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Sigma Code Testing
SAI Final Report No. SAI-84/1073
March 28, 1984
J. Laurence Seftor
and
Glyn O. Roberts



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March 28, 1984

Submitted to:

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Naval Ocean Research
and
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Code 322, NSTL Station, MS 39529

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The SAI/NORDA Sigma Coordinate Ocean Forcasting computer code is a complicated simulation tool for modelling the behavior of the world's oceans. In this report, we present the result of a set of tasks which increase the code's accuracy and usefulness as a simulation tool. These tasks include the implementation of open boundary conditions, the creation of initialization data from mixed data sets, the improvement of output options, and

LUCIPITY CLASSIFICATION OF THIS PAGE(When Date Entered) the installation of the code on the VAX supermini computer. We also present the results of preliminary set up tasks for a simulation of the semiclosed basin of the eastern Mediterranean. Accession For NTIS GRA&I DTIC TAB Unennounced Justification Distribution/ Availability Codes

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1.5 Introduction

The SAI/NORDA sigma coordinate ocean forecasting computer code (sigma code) is a complex tool for predicting ocean temperature, salinity, density, sound speed, and the three components of current velocity as functions of location and depth. The non-uniform sigma vertical representation is used to simplify the treatment of the severe topography encountered in the ocean and to concentrate computation levels near the surface. A stable, temporally implicit finite-difference representation of the model differential equations allows the use of large time steps.

The basic code has been developed under past contracts (see references). The testing of the model, however, has been limited by the simple no-flux lateral boundary conditions installed in the model during its development.

This report will discuss the development and partial implementation of open boundary conditions into the model.

Also presented are the results of a series of smaller tasks which have been undertaken to increase the code's usefulness. They include new mechanisms for data initialization, new output options, and the conversion of the code to the VAX super minicomputer.

Finally, initial results will be presented for a study of ocean behavior in the semi-closed basin of the Eastern Mediterranean.

2.5 Open Boundary Conditions

The original form of the code used a very simple lateral boundary condition; no flux was allowed. This rigid wall approximation, while useful for testing, is not valid for any ocean region of interest. All ocean areas have significant inflow and outflow.

Two approaches were taken for providing open boundaries. The first is a simple condition, which can be of use in regions where the flow in and out is of limited spatial extent. Two examples are the Gulf of Mexico and the Mediterranean. This scheme will be discussed in section 2.1.

A more realistic approach requires full information about temperature, salinity, and velocities at each point of the simulation region boundary. To provide such information, a nested run approach was undertaken. In this scheme, a coarse run is performed over a large region. This run stores initial and boundary data, which is used by a second run whose simulation region is nested within the region of the large run. Because of the very complicated spatial representation used within the Sigma Code, this second approach requires very complex coding. The partial implementation of this second approach will be described in section 2.

2.1 Flux Specified Boundaries

In this approach, a single flux is specified for each of the four edges, of the system. A function of lateral area is used to determine how much of the total flux will be deposited at each spatial location. For example, if the west edge of a simulation region is all land, except for a narrow strait, virtually all the flux will occur at the strait. This follows from the fact that the strait contains all the lateral area for that edge of the system (see figure 1). It should be remembered that in the sigma code there are a full set of computational levels, even over land areas. This scheme ensures that over such land areas, no flux will be allocated.

The flux at each lateral point is given by

$$u_n = A*f(t)*U(\bar{z}^k, z_b, DINFL, DINFLS)$$

where A is determined below, $f(t)=1 - \exp(-ISTP/3\theta)$ with ISTP the time step number, and U is the functional dependence of the vertical profile. We define

$$U = \frac{V * W}{|V| + W} , \qquad \text{where}$$

$$W = \frac{z_b^{-2}}{DBOTBL}$$
 and

C

ζ

$$V = \frac{DINFLS-Z}{(DINFLS+Z) (1+ Z/DINFL)}$$

DINFL, DBOTBL, and DINFLS are given as input parameters, z is the depth, and z_b is the bottom depth. DBOTBL, through W, controls a function which linearly drops from z_b/DBOTBL at the surface, to 0 at the bottom.

The function V determines the actual shape of the vertical profile. DINFL sets the approximate depth of the inflow. Since it is sometimes desirable to have both inflow and outflow occuring at the same location, V changes sign at depth DINFLS. By setting DINFLS very large (1.El0), no sign change occurs, and V is always positive. When DINFLS is 0., the sign change occurs at the surface, and V is always negative.

The constant A is adjusted according to

$$FLUXIN = -A\Sigma U\alpha_n$$
,

so that the total flux at each edge totals up to the input parameter FLUXIN. U is as defined above, α_n is a geometry factor which depends on the edge being specified, and the sum runs over all points on the edge.

There are two modes of operation for this boundary condition. The first is unidirectional flow. The user sets DINFLS large (>1.El@), and sets DBOTBL, DINFL, and FLUXIN for the desired flow.

The second mode is bidirectional flow. In this case, the user can set the ratio of inflow to outflow, DINFLR. The code, by an iterative scheme, adjusts one of the

other variables to obtain the correct ratio. If DINFLR>0, DINFLS is adjusted. DINFLR<0 is a way to adjust DINFL instead. For best results, a good guess for DINFL and DINFLS should be made. By running the code with NSTEP=0, the final value of DINFLR can be compared to that requested.

The input variables are:

FLUXIN(i)	total flux (outward) for this edge,
DBOTBL(i)	scaling factor for linear profile,
DINFL(i)	depth of inflow,
DINFLS(i)	depth of sign change, and
DINFLR(i)	ratio of inflow to outflow.

Here i determines which edge of the system according to

i=l	west edge
2	east edge
3	south edge
4	north edge

The adjustment of DINFL or DINFLS, and the determination of A is performed in new subroutine FLUXST. The flux calculated by this scheme is added to the velocity arrays in UVBND.

2.2 Open Boundary Conditions Based on a Nested Run

A nested run consists of a fine resolution run whose simulation region is located within the simulation region of a coarse, larger area run. (See Figure 2). There are four aspects of such a simulation. One, a coarse simulation is performed. This run writes out both data for initialization of the fine run, plus boundary data on the embedded boundaries. Second the fine run performs a complex interpolation from this data to obtain an initial condition. Third, the fine run performs a complex interpolation, at each time step, to find appropriate values along its boundary. Fourth, these boundary values are used in a suitable boundary condition. Each of these steps will be described below.

2.2.1 Coarse Run

The initialization data written out by the coarse run consists of temperature, salinity, pressure and velocities over a region which encompasses the fine region. All the coarse data is not needed, and it is not written out. There may, however, be more than one fine region nested within a particular coarse region. The data for each fine region is written to a different file.

The number of such subregions is specified by input parameter NREGON. For each of these NREGON subregions, the location of the boundaries is specified by:

SAVLLO(i) west edge of region i in degrees SAVLHI(i) east edge of region i in degrees SAVPLO(i) south edge of region i in degrees SAVPHI(i) north edge of region i in degrees.

The coarse run uses these input variables in subroutine REGNST to establish the areas on its grid that will have to be written out for each of the subregions. It also determines the locations of its grid lines which lie on either side of the embedded boundaries, for both T-S and U-V data, again for each subregion.

At each time step, subroutine SAVREG is called to write out the appropriate data. The writing of data is controlled by:

SAVSTR(i) time step of initial write for region i.
SAVINC(i) modulus on time step to perform write for region i.

On only the initial write, data for initialization is written out. On this, and all subsequent writes, boundary data is written. Each subregion has its own file. Therefore, the location and frequency of the data may be completely different for each subregion. The file unit number is 70 + i, where i is the region number.

Subroutine RWBND is used to read or write the boundary data.

2.2.2 Initialization of Final Run

The data written out by the coarse run must be interpolated onto the fine mesh of the nested run. This is complicated by the complex spatial representation of

the sigma code. As can be seen in Figure 2, the lateral mesh spacing may be nonuniform and arbitrary. As shown in Figure 3, the vertical spacing is nonuniform and depends both on the topography, and the number of vertical levels. In a typical simulation, no two grid nodes are located at the same depth.

The initialization in the sigma code is performed by one of the "CASE" routines. For the nested run the input parameter CASE is set to 8. This causes subroutine CASE8 to be called to perform an initialization from coarse run data. Storage must be carefully handled so that no excess array space is allocated. To do this, CASE8 was designed as a dummy routine to handle storage for subroutine CASE8A where the actual interpolation is performed.

In CASE8A an interpolation is performed using the 8 surrounding data points from the coarse data. Weight factors are determined, and then the new value is calculated from,

$$x_{f} = \frac{\sum_{i=1}^{\Sigma} \omega_{(i)} x_{c}^{(i)}}{8}$$

$$\sum_{i=1}^{\Sigma} \omega_{(i)}$$

Because of the representation, the eight weights have different values for each of the fine mesh grid points.

Additional problems arise because of the use of real topography. In Figure 3, point A is a possible location of a fine mesh point. It can use the coarse value to the

left, but the coarse value to the right does not lie deep enough for point A, and it cannot be used. The interpolation scheme is therefore modified to exclude the point to the right, and the weights for the points actually used are corrected.

Point B is the location of a second type of problem. At this location no coarse data is available at the depth of point B. For this problem a different procedure is used. Subroutine CASE8B is called to perform a spline extrapolation of the surrounding data to obtain values at the correct depth. Then a four point lateral interpolation of these extrapolated values is used to obtain a reasonable result. This involved procedure is only used for temperature and salinity values. For a velocity point at location B, when no coarse data are available, the velocity is set to zero. This ensures that no artifical flows will result.

It should be noted that different weights are required for temperature-salinity (T-S) and velocity data, since T-S data locations are spatial shifted from velocity locations.

2.2.3 Determination of Boundary Value Data for Fine Run

At each step during the fine run, the values of temperature, salinity, the velocity, and the pressure must be determined at the location of the physical boundaries of the smaller system. These values are calculated, and put into a set of two-dimensional arrays. These arrays are used by the boundary conditions in determining the values of the relevant quantities at the guard cells. It should be noted that these boundary values are not used directly, but are used in the application of the boundary conditions.

Data is written out on both sides of the boundary by the coarse run. Since T-S and U-V data are spatial displaced, these surrounding boundary planes are located differently for the two types of data.

Subroutine EXBND is used to determine the values of data on the boundaries. As in the use of CASE8, EXBND acts as a storage manager for EXBNDA, where the actual interpolation is performed. The interpolation scheme is the same as that used in CASE8A, with subroutine CASE8B used here also for points out of range.

2.2.4 Implementation of Nested Boundary Conditions

Our planned implementation of nested boundary conditions is based on a major extension of the analysis in § 4.4 of the prior study (Roberts, 1982). In that section we studied the reflection and transmission properties of different sets of open boundary conditions applied to the one-dimensional wave equation, and demonstrated that the spurious waves could be reduced to

a minimum by imposing

 $cu_n + p$

on the boundary, where p is the scaled pressure, \mathbf{u}_n is the outward flow, and c is the local phase speed of the wave. The success of this method follows from the fact that the outward and inward propagating wave modes have

 $cu_n = \pm p$

respectively.

In the prior report we reached the conclusion that a generalization of this boundary condition to the three-dimensional sigma code, with rotation, diffusion, stratification, and bottom topography effects, in addition to the surface gravity waves, was impractical. In § 5 we outlined a simpler set of boundary conditions based on the normal flow and on conservation requirements.

However, we now believe that for most situations of interest, spurious surface and internal gravity waves generated at the open boundaries by poorly chosen boundary conditions will pose the greatest problem in nested computations. We therefore plan to implement a generalization of the above boundary condition to the full three-dimensional sigma-coordinate system of equations.

Our boundary conditions are

$$\bar{\mathbf{u}}_{\mathbf{n}}^{\mathbf{n}} = \mathbf{u}_{\mathbf{n}\mathbf{d}} + \mathbf{F}(\bar{\mathbf{\pi}}^{\parallel} - \mathbf{\pi}_{\mathbf{d}}) + \beta g(\mathbf{z}, \mathbf{z}_{\mathbf{b}})$$

$$\delta_{\mathbf{n}}\mathbf{u}_{\parallel} + \alpha(\bar{\mathbf{u}}_{\parallel}^{\mathbf{n}} - \mathbf{u}_{\parallel}\mathbf{d}) = 0$$

$$\delta_{\mathbf{n}}\bar{\mathbf{T}}^{\mathbf{n}} + \alpha(\bar{\mathbf{T}}^{\mathbf{n}\mathbf{n}} - \mathbf{T}_{\mathbf{d}}) = 0$$

$$\delta_{\mathbf{n}}\bar{\mathbf{S}}^{\mathbf{n}} + (\bar{\mathbf{S}}^{\mathbf{n}\mathbf{n}} - \mathbf{S}_{\mathbf{d}}) = 0$$

Here

 \mathbf{u}_n and \mathbf{u}_{\parallel} denote the velocity components outward and parallel to the boundary,

 \bar{f}^n and \bar{f}^{\parallel} denote averages of adjacent mesh values in the same directions, for any variable f,

 $\mathbf{f}_{\mathbf{d}}$ denotes data values obtained by interpolation from the previous coarse run, at the appropriate positions and times,

 α is a positive function of $u_n \delta x/R_H$, and is zero for large values (passive outflow condition) and very large for negative values (value imposed on inflow),

 $\delta_n \bar{\mathbf{T}}^n$ is the difference over two mesh intervals (outside minus inside) divided by two,

 \bar{T}^{nn} is the mean of the outside and inside values, ignoring the boundary value (a non-standard notation),

 $g is (z-z_b)/(1+z/z_i)$

 β is zero or is chosen so that the total normal is an imposed value obtained from data on the movement of the free surface.

F is an operator designed to separate the internal wave modes, and divide each by an appropriate wave speed c; the

simplest operator option is to divide by a single imposed c value.

These boundary conditions replace our previous conditions

$$\mathbf{\bar{u}}_{\mathbf{n}}^{\mathbf{n}} = \mathbf{U}$$

$$\delta_{\mathbf{n}}\mathbf{\bar{u}}_{\parallel} = 0$$

$$\delta_{\mathbf{n}}\mathbf{\bar{T}}^{\mathbf{n}} = 0$$

$$\delta_{\mathbf{n}}\mathbf{\bar{S}}^{\mathbf{n}} = 0$$

For our Mediterranean simulation we imposed a nonzero U distribution; U has otherwise been zero.

2.2.5 Status of Implementations

The first three steps have been implemented, and preliminary tests performed. Coarse runs have been used to write out initial and boundary data. Fine runs have read in initial data, and have interpolated this data to get an initial condition for the system. In addition, the boundary data has been interpolated to obtain values of the relevant quantities on the boundaries.

There has been insufficient time, however, to implement the algorithms of Section 2.2.4. These algorithms will go into subroutines TSBND and UVBND, and will use the boundary value data which now exists in the code.

Subroutines which have been changed and new subroutines are listed in Appendix A.

•

3.9 External Data for Initialization

The quality of a simulation is very dependent on the quality of the data used for the initialization of the run. It is, therefore, very important to use the best quality data available for initialization. OTS and EOTS data is of better quality than climatology, but such data does not go deep enough to initialize the entire simulation region. The best solution, therefore, is to smoothly merge two data sets to provide OTS or EOTS where available, and climatology where not. The transition between the two data sets must be smooth, or numerical noise will result.

If T_E is OTS or EOTS data, and T_C is climatology data, the procedure is as follows. For depths above the lowest T_E point (z=d)

$$T = T_{E}(z), \qquad (z \le d)$$

where T_E at arbitray values of z are determined from a spline fit. For z>d,

$$T = T_C(z) + \Delta T f(z) + \Delta T^* g(z) .$$

Here $T_{C}(z)$ is again obtained from a spline fit, and

$$\Delta T = T_E - T_C$$
 at $z = d$
 $\Delta T' = T'_E - T'_C$ at $z = d$

The functional forms of f and g are given as

$$f(z) = \frac{z}{d} \exp \left(1 - \frac{z}{d}\right),$$

$$g(z) = (z-d) \exp\left(1 - \frac{z}{d}\right).$$

At z = d these functions result in

$$f(d)=1$$
 , $f'(d)=0$,

$$g(d)=\emptyset$$
 , $g'(d)=1$.

The implementation of this capability involved two sets of changes. First the data tape handling program TAPER2 had to be slightly modified to create a data file with both OTS (or EOTS) and climatology. Secondly, two new CASE routines, CASE6 and CASE7 were written to read in the combined data, and to perform the merging. CASE6 merges OTS and climatology, while CASE7 handles EOTS and climatology.

In practice, two TAPER runs are used to produce the combined input data set. The listing in Appendix B is an example which shows the procedure. A TAPER2 run is used to read in the appropriate OTS (or EOTS) data. Then a TAPER3 run is used for the climatology data. The output of TAPER3 is appended onto the output file from TAPER2 to form the required input data file.

In the sigma code run, one simply assigns the data file produced by the TAPER runs. Then the CASE input parameter is set to 6 for OTS, or 7 for EOTS, and the proper initialization is performed.

4.5 Enhanced Output Options

The sigma code has an extensive set of output options. Graphics output can be produced of all relevant data fields, on either plotting devices, or as printer plots. Several desired enhancements in the existing sigma code output were identified, however, and they are the subject of the current section.

The geostrophic velocity is the velocity that results from the balance between the horizontal pressure gradient and the horizontal component of the coriolis acceleration. It provides useful information about the state of the physical system being simulated. Therefore, plots of the geostrophic velocity were added as an output option.

The geostrophic velocity is calculated during the vertical sweep through the mesh by UVDOTB. Rather than allocate an additional three dimension array to hold this information, each two dimensional slice is written to a disk file by UVDOTB as calculated. At the end of the sweep, new subroutine UVGEO reads this information into a three dimensional scratch array, from which it is written onto the plot file.

Subroutine OCPLOT, in the plotting package, was modified to create plots from this newly available data. A typical output plot is shown in Figure 4.

In addition to this new capability, three

enhancements were made to the existing code. First, on restarts, because of the way time step numbering was handled, plot specification did not work properly. This was corrected by a complete revision of time step handling on restarts.

Second, the orientation of the plots of vertical profiles was awkward, and did not follow the conventional orientation for such plots. This has now been corrected.

Third, up to now, certain quantities were only available as printer plots. Now such information can be displayed on plotting devices. Sample plots of the barotropic stream function are shown in Figure 5 and 6.

The required changes to the sigma code are included in Appendix A. Those subroutines in the plotting program which required change are listed in Appendix C.

The capability to plot velocities at a constant depth is available by modification of the TSPOP post processor. In the main program, the lateral averaging of the bottom topography is removed. In addition the calls to MESHST are changed so that the U-V positions, rather than the T-S positions are produced. The resulting code is given in Appendix D.

5.5 VAX Version of Code

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The usefulness of the sigma code increases when it becomes available on additional computer systems. Because of the wide spread availability of the VAX 11/780 super minicomputer, it was decided to install the sigma code on this machine.

The code has been installed on the VAX and a sample output plot from a simple test run in shown in Figure 7. The code runs much in the same way as it does on the TI-ASC computer. The VAX files used by sigma code are listed below:

Unit Number	Name	Use	Droowistins
MUMBEL	маше	Use	Preexisting
1	SIGRUNLOG	Log File	Yes
2	SIGBTOPOG	Bottom Topography	Yes
3	SIGTSPLOT	T-S Plot Data	
4 5	SIGBUOYIN	Buoyancy Coefficients	Yes
	SIGINPUTD	Input Data	Yes
6	SIGPRINTF	Print File	
10	SIGUVPLOT	U-V Plot Data	
14	SIGBUOYOU	Buoyancy Coefficients(o	utput)
18	SIGINITIA	Initialization Data	Yes
19	SIGFORCEG	Forcing Data	Yes
26	SIGQCHEK1	Qcheckl Print File	
27	SIGQCHEK2	Qcheck2 Print File	
49	SIGRESTRT	Restart Data	Yes
42	SIGDUMPFL	Dump File	
89	SIGWORKSP	Work Space	

These files noted as preexisting, must be available before the run, as needed.

Because it was not known what graphics software would be available on a particular VAX, no graphics device output is currently installed. However, printer graphics are installed, and working as shown in Figure 7.

An estimate of relative timing is difficult, as VAX timing depends on many factors, including system loading. A crude estimate shows that the VAX version of the code runs about a factor of 120 slower than the ASC version. This is about the ratio that was expected.

6.5 Mediterranean Tests

The sigma code was setup to perform studies of the eastern basin of the Mediterranean Sea. The process involved routine setup tasks as well as two code modifications. The setup procedure, as well as the code modifications, will be discussed below.

6.1 Setup

The region was established as 10°-37°E, and 32°-38° N. This includes the eastern boundary, but cuts off several features at the north and south. Although the bottom topography was available at 10' intervals, a 20' spacing was chosen to reduce memory requirements for this problem. The numbers of lateral grid points are:

(37-10)*3+2=83 in the east-west direction, and (38-32)*3+2=20 in the north-south direction.

Five vertical levels were used. The three code parameters IF, JF, and KF were reset, and a recompilation of relevant routines was performed.

The topography was created from the 10° data file by use of the program tested below (Note: All programs and listings referred to in this section can be found in Appendix E). A rigid wall was imposed on the topography at all lateral boundaries, exept for the Strait of Sicily, where the inflow-outflow occurs.

Since the forcing and initialization data lies on a polar-stereographic (PS) grid, the PS limits of the simulation region were determined. PS data was found to be required in the grid whose indices ran from I=45-50, and J=31-40.

An initialization file was created from climatology using the TAPER3 program. This was adequate for testing purposes. For a better initialization, the procedure of Section 3 of this report, may be used.

The forcing data was extracted from the data tape "SAIATM2", by use of the TAPER program. As shown in the listing, the data starts on January 7, 1977. A six hour interval was chosen.

6.2 Code Modifications

The original formulation for flux specified boundaries allowed only inflow or outflow at each edge. The full formulation, as described in Section 2.1, was implemented to allow bidirectional flow, as required in the Mediterranean Tests.

The second addition to the code was required because of a fundamental difficulty in the code. The code solves for the time evolution of a general variable x by the process,

$$\dot{x} = A(x)$$

$$x^{n+1} = x^n + F(x, dt).$$

A is a representation of the model differential equations, and F is a fixing (stabilization) operator. For a simple explicit scheme $F(\dot{x},dt) = \dot{x}dt$. However, such a scheme is unstable, and very complicated procedures have been used to develop appropriate formulations for F, for the equations to be solved here (see references).

Since the Sigma Code solves a three dimensional problem in a minimum of computer memory, careful attention was paid to the code architecture. The problem is solved in slices, with intermediate quantities overwritten as each level is solved. This dictates the implementation of the fixing operator. Specifically, lateral fixing is performed during the vertical sweep, before the vertical fixing, which requires a knowledge of all the vertical levels.

The problem arises because the lateral fixing propagates the unstable solution horizontally, before the vertical fixing has modified the result. The vertical fixing can subsequently stabilize the solution at each point, due to the physics at each point. It cannot, however, stabilize the part of the instability which has been horizontally propagated.

In the past, this problem has been circumvented by turning off the lateral fixing, thus avoiding the horizontal propopagation of the instability. Because of the smaller lateral mesh spacing required in the Mediterranean tests, however, the lateral fixing must be on.

One solution is to add a preliminary vertical diffusion model, before the horizontal fixing. This can take a number of forms. The simple solution implemented here is to limit \dot{x} (i.e. \dot{u}), before the horizontal fixing process. A new routine DULIM, modeled on routine ULIM has been written. It sets

$$\dot{\mathbf{u}} = \frac{\mathbf{v} \cdot \dot{\mathbf{u}}}{\mathbf{v} + |\mathbf{u}|}$$

where $V=DUMAXN\cdot DT\cdot z_b$. DUMAXN is under input control, DT is the time step, and z_b is the local depth.

6.3 Results

A preliminary test run was performed. This simulation is intended to demonstrate that the code is properly setup to perform studies of the eastern Mediterranean. No attempt was made to model actual physical processes. Rather this run establishes procedures for modeling the eastern Mediterranean. Additionally, in the process of performing this test, problems with the code, when applied to this region, were identified and corrected.

It should be noted that in the figures which follow, problems, such as inadequate labeling of contour lines, are problems in the Disspla plotting package. They

result, in part, from the fact that the ASC computer center is using an out of date version of Disspla.

Figure 8 is a plot of depth values in the region. The values in the interior are the values obtained from the data file. The boundaries demonstrate the rigid wall that was articifically imposed. The one open spot is at the Strait of Sciliy. Because the labeling in the Disspla plot is sparse, a printer plot of the same data is shown in Figure 9. Since each contour is labeled by a letter, actual values can be read off this plot.

A two week interval was modeled using 56 time steps of 6 hours each. A great number of output plots can be produced from the data files which were generated during this run. Indeed, there is no limit to the data representations available. Most major quantities can be displayed on vertical slices of arbitrary great circle arcs. Additionally, horizontal slices can be displayed at arbitrary depths. The plotting programs perform the required interpolations, so that the spatial representation in the code does not impose limits on how the data may be displayed. A representative sample of possible output plots follows.

The general shape of the vertically integrated flux as shown in Figure 10, with actual values appearing in the printer plot of figure 11. The remainder of the plots

show quantities on the great circle with endpoints at 10°E, 35°N and 37°E, 35°N. The temperature is displayed in Figure 12. This figure has the depth adjusted so that the entire vertical extent of the simulation is shown. Figure 13 is the same display with the maximum depth adjusted to 600 m. Such a plot allows closer examination of surface dynamics. The same set of plots for salinity are shown in Figures 14 and 15. Once again the entire vertical domain, and a closer look at the surface are shown.

A similar set of plots were also generated from the velocity data. Figure 16 is a plot of u velocity. For this slice, a positive u velocity is a velocity approximately to the right. Since this is a display on a great circle arc, rather than an arc of constant latitude, the velocity is not exactly in the plane of the plot. Figure 17 is a plot of v velocity. Again, for this slice which runs approximately east—west, a positive v velocity is a velocity roughly into the page.

The last two plots, Figures 18 and 19, demonstrate the new ability of the code to plot the two components of the geostrophic velocity. The comments made in relation to the velocity also apply here.

6.4 Conclusion

The Sigma code is now working in the eastern basin of the Mediterranean. Externally supplied data has properly been integrated into the code for both bottom topography and initialization. In addition, a combined inflowoutflow condition at an open strait is working.

Actual simulation studies will involve longer runs. A detailed examination of the possible output displays, made in light of the topography of the region, will provide an insight into the processes at work. As such studies are performed, it may become evident that changes in the externally supplied data are necessary. These may include the addition of new data (e.g. wind forcing), or the use of better data than is currently used (e.g. EOTS rather than climatology).

REFERENCES

- (1) Glyn O. Roberts, J. Laurence Seftor and Walter J. Gabowski, "A Sigma Coordinate Ocean Forecasting Computer Code, Part I. Model Differential Equations, Spatial Finite-Difference Representation, and Conservation Properties." September 1980. Report SAI-80-956-WA.
- (2) Glyn O. Roberts and J. Laurence Seftor, "A Sigma Coordinate Ocean Forecasting Computer Code, Part II. Time Respresentation and Stability Properties."

 March 1988. Report SAI-80-957-WA.
- (3) J. Laurence Seftor and Glyn O. Roberts, "A Sigma Coordinate Ocean Forecasting Computer Code, Part III. Code Description." November 1980. Report SAI-80-958-WA.
- (4) J. Laurence Seftor, "A Sigma Coordinate Ocean Forecasting Computer Code, Part IV. Description of Graphics Capability." September 1980. Report SAI-81-262-WA.
- (5) J. Laurence Seftor and Glyn O. Roberts, "A Sigma Coordinate Ocean Forecasting Computer Code, Part V. Results." December 1980. Report SAI-81-299-WA.
- (6) J. Laurence Seftor, "Description of Revised Program TAPER for Data Tape Processing." September 1982. Report SAI-83-941-WA.
- (7) Glyn O. Roberts, "Open Boundary Conditions in Ocean Forecasting." November 1982. Report SAI-83-996-WA.
- (8) J. Laurence Seftor, "Description of the Use of the SAI/NORDA Sigma Co-ordinate Ocean Forecasting Code with Externally Supplied Data." September 1982. Report SAI-83-940-WA.

Figure 1
Depth profile at side of system, showing strait

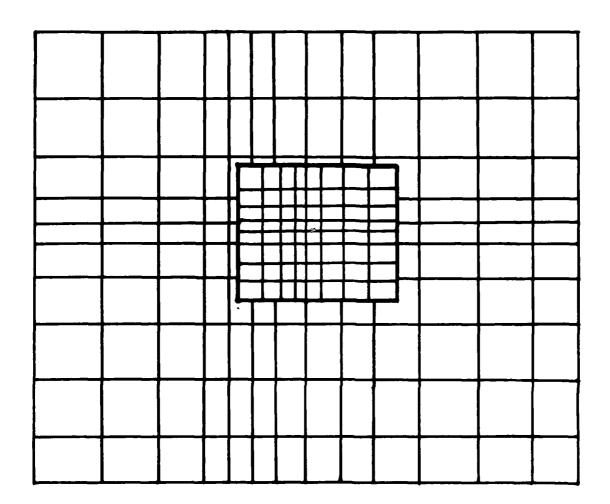


Figure 2
Lateral mesh spacing, with imbedded grid

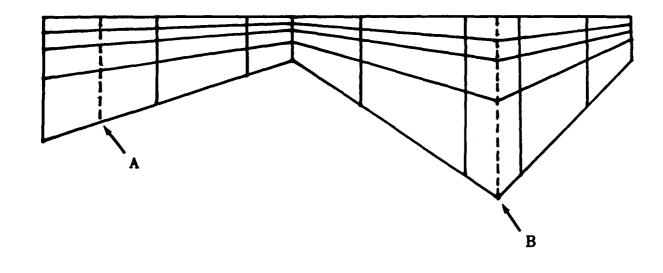
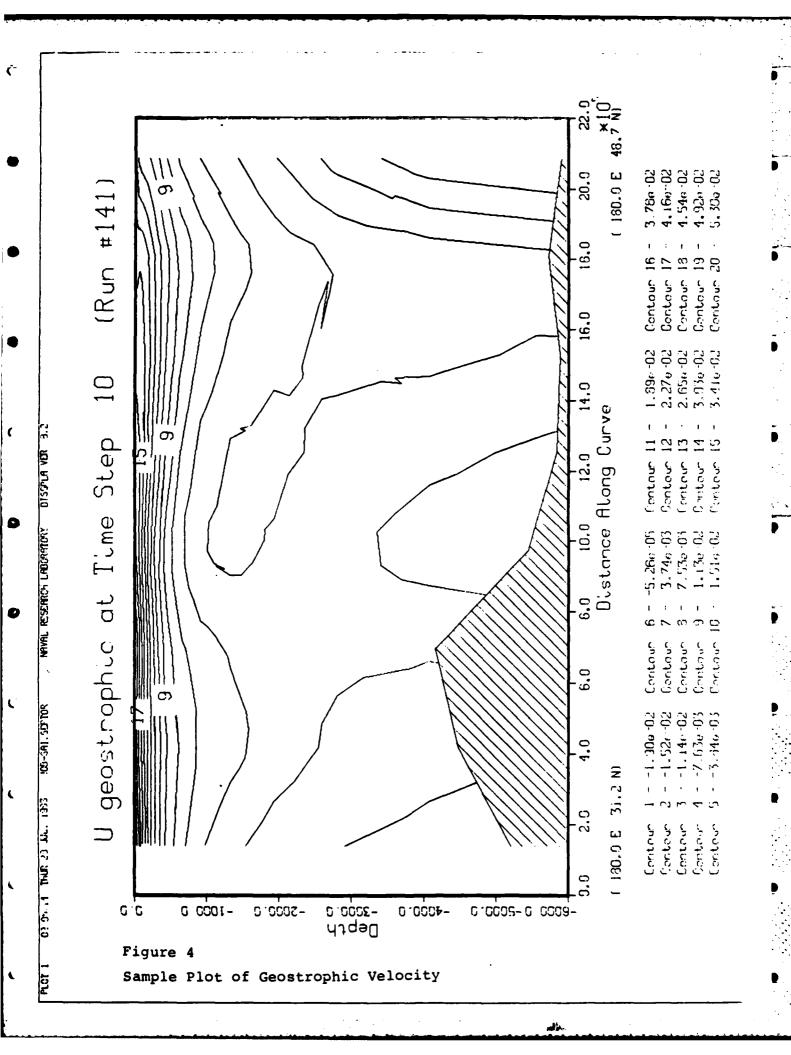
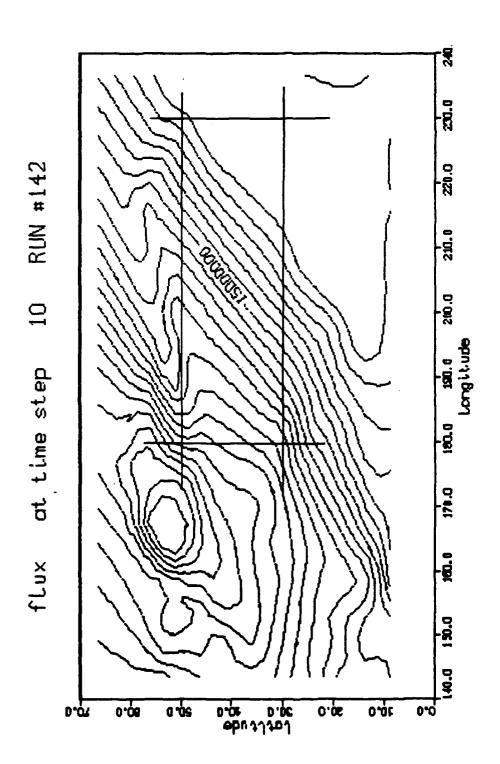


Figure 3
Typical depth profile





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Figure 5
Sample plot of Barotropic Stream Function

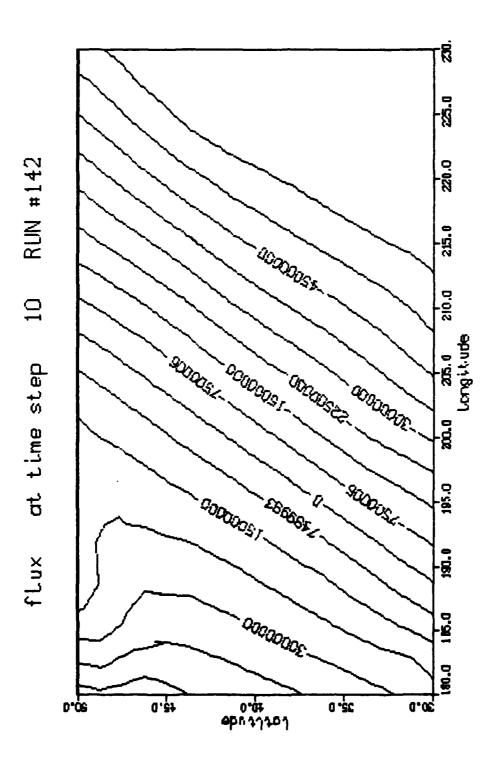


Figure 6 Sample Plot of Barotropic Stream Function (expanded view)

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Figure 7
VAX Output Plot

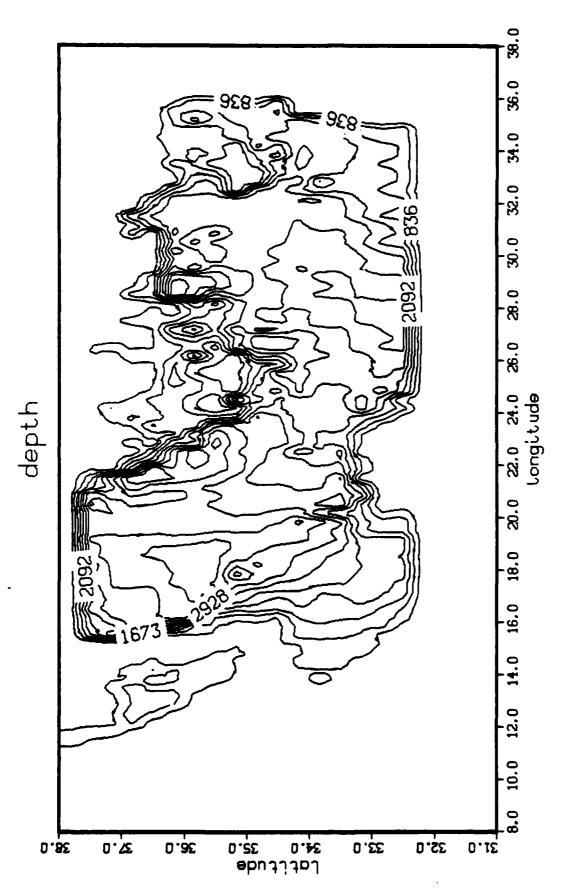


Figure 8

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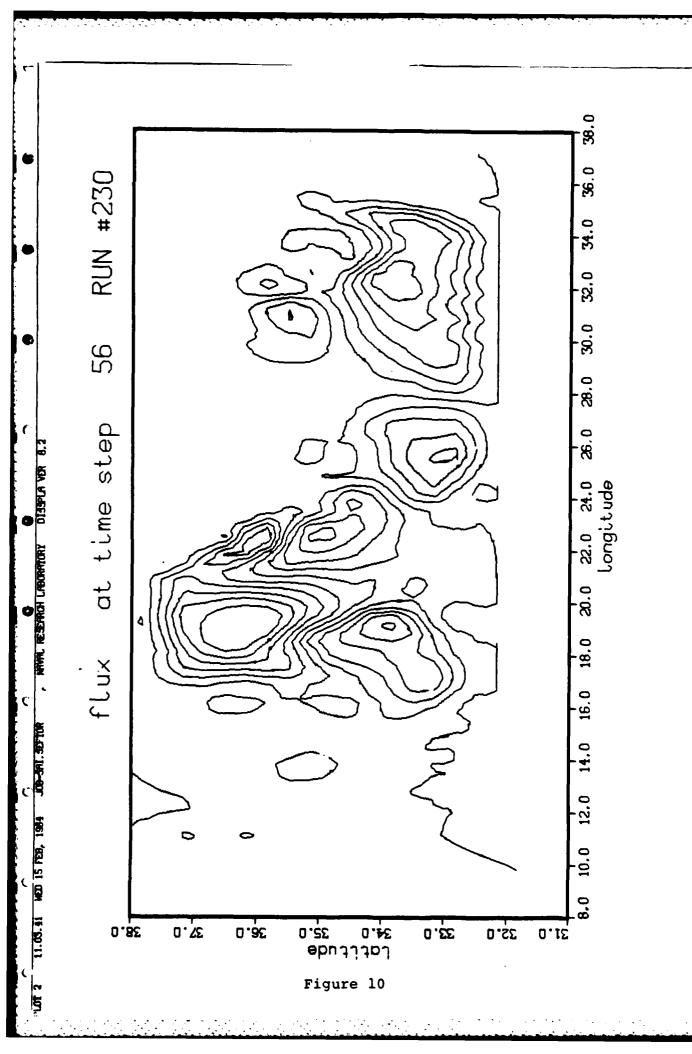
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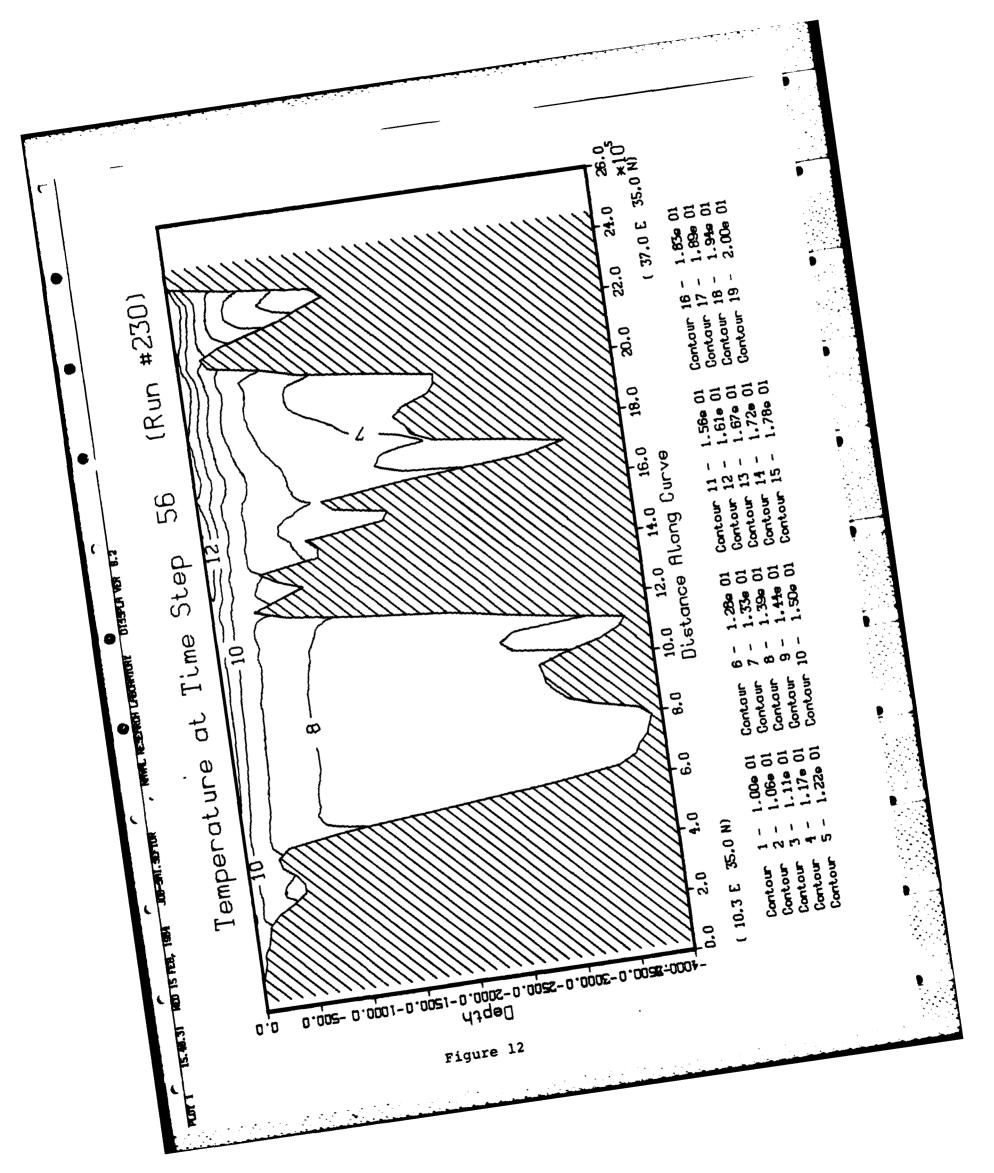
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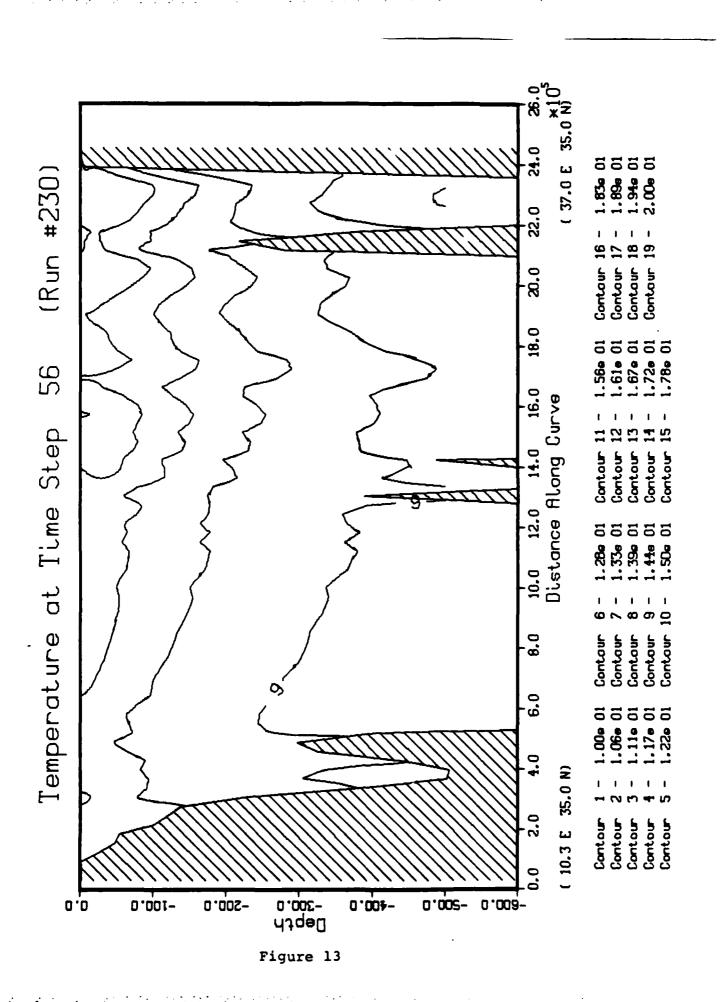


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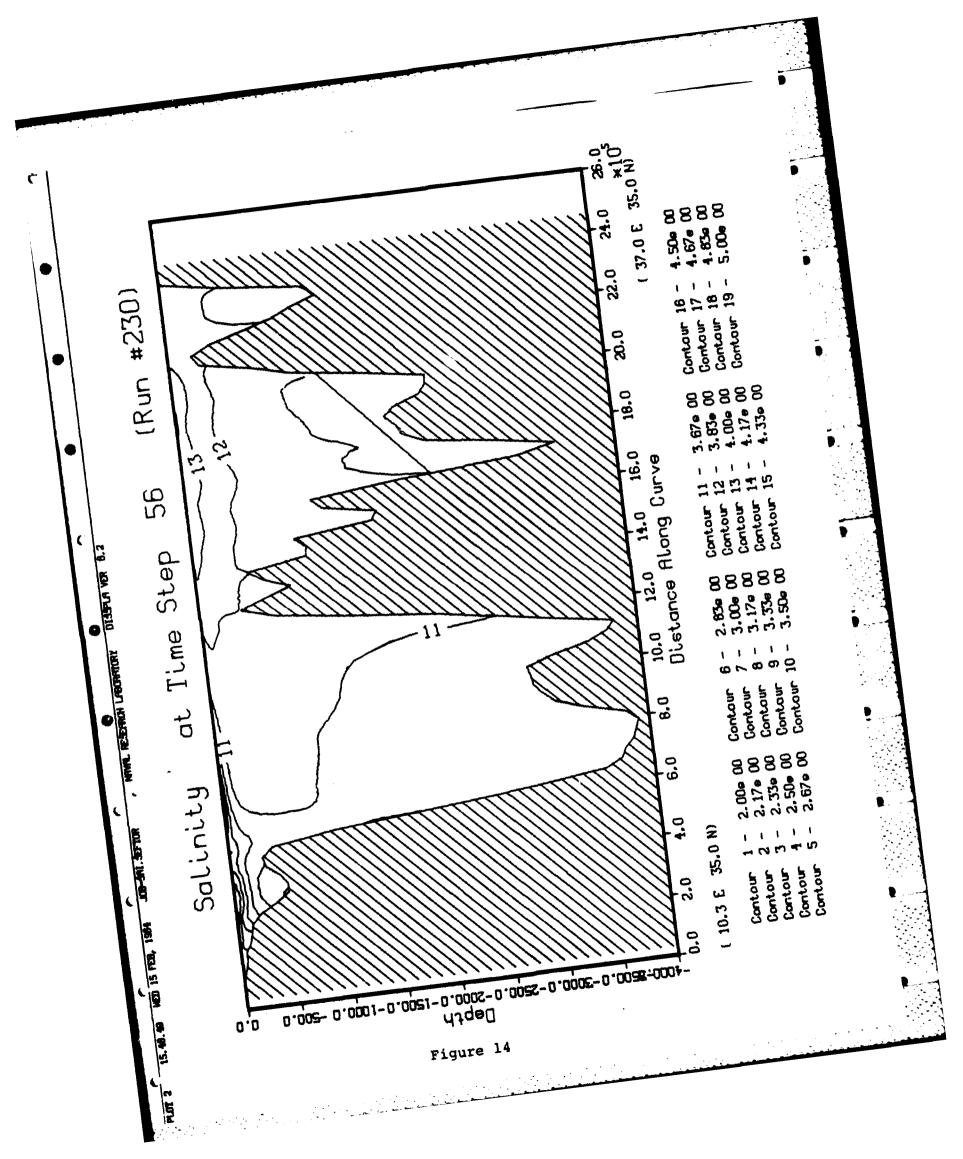
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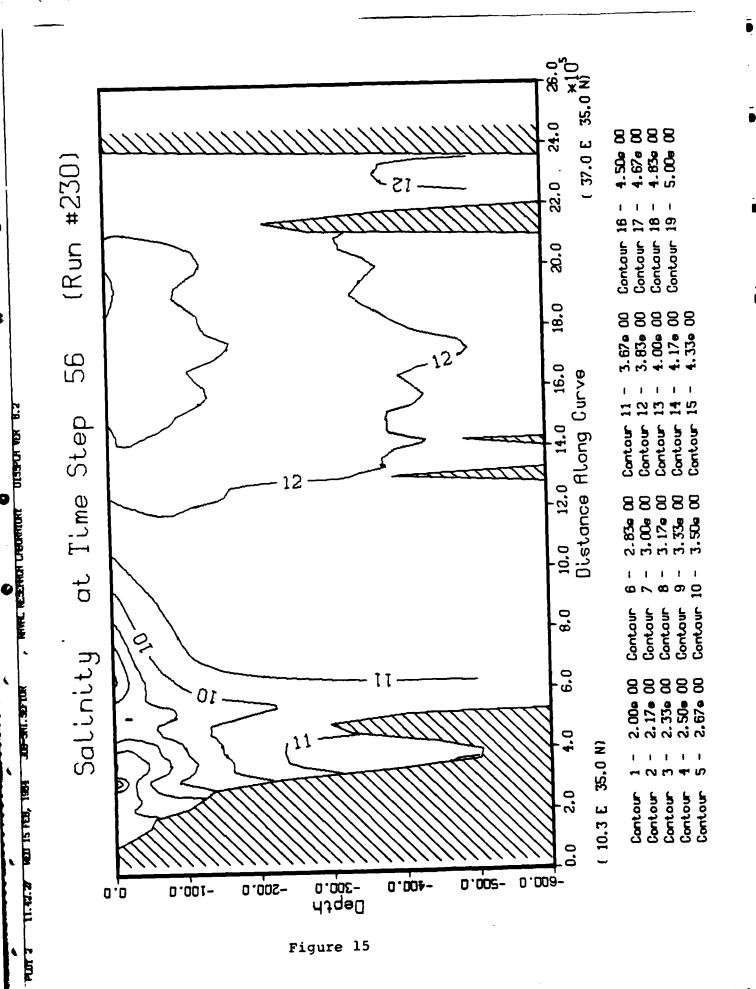
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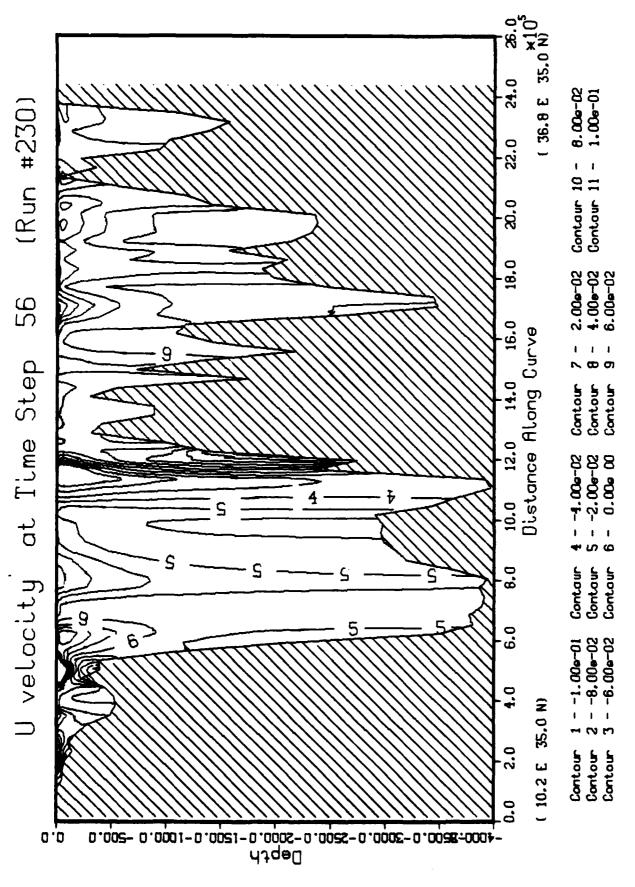


Figure 16

HED IS 128, 1984

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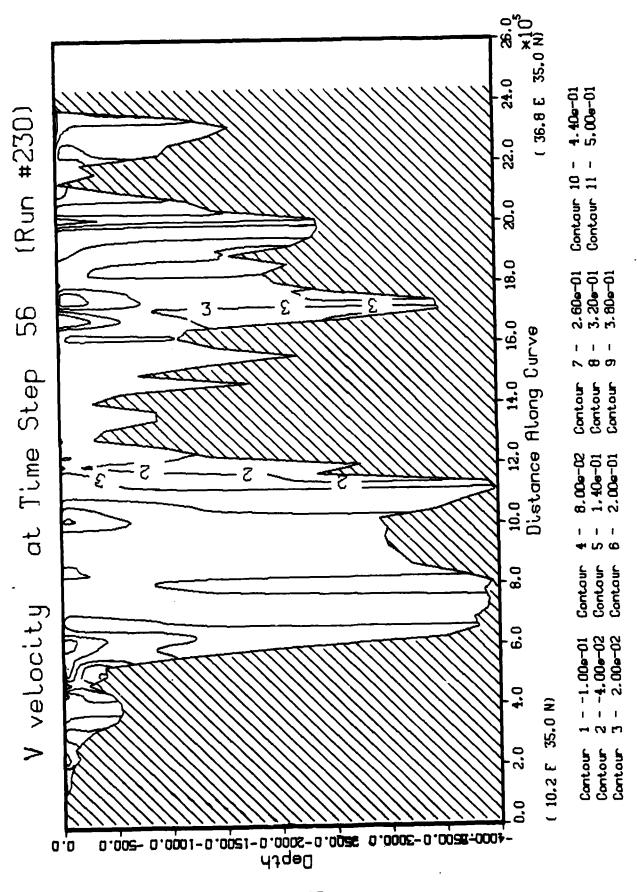
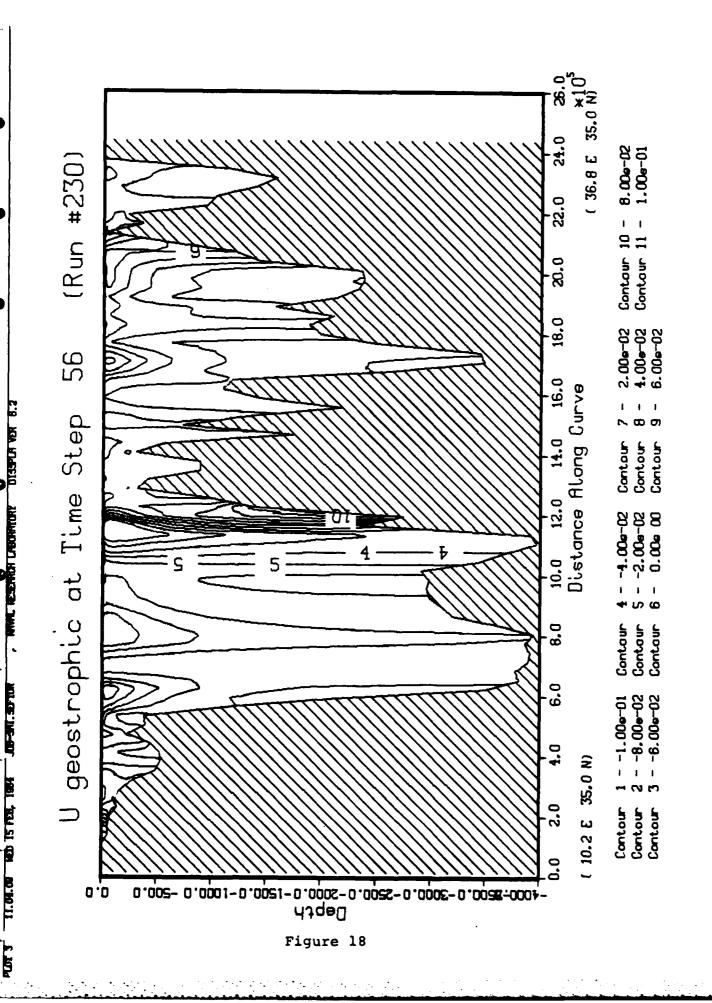
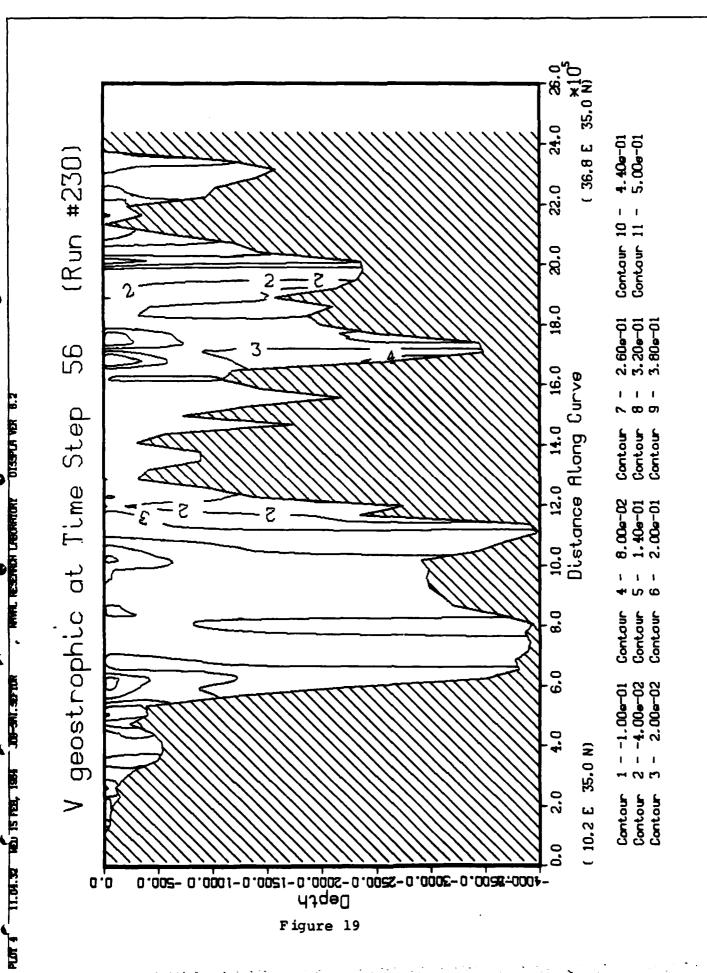


Figure 17



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Appendix A

Sigma Code Updates

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CALL CUSPLNCUEPTH CALL CUSPLNCUEPTH CALL CUSPLNCUSS DELTFTAGNOTS TEANCLIN TEANCH TEANC	PLH(UEPTH	CALL LUSPLNCUEFTHDATANOTS .VIA.TZA.ZZA			
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CALL USPLNGEPHG - 4 Zearching - 7 Zearching - 8 Zearching - 8 Zearching - 8 Zearching - 8 Zearching - 1 Zearching - 2 Data - 1 Zearching - 1 Zearching - 2 Zearc	2.DATACNOTS) .00) PLNULFYCOTS: 13.DATACNOTS: 13.NCLIN, VIB. V2B. LIB. C2B 2.DATACNFIELD) .00 2.DATACNFIELD) .00 1.ACROTS) - SPLINE (DO.DEPTHCMOTS: 13.DATACNOTS: 13.DATA	2.DAIA(NOTS) .0) CALL LUSPLN(LEPTH(NOTS-1)-DATA(NOTS-1)-NCLIM, VIB. VZB. LB. LZB. 2.DAIA(NFIELD).0) DD-3EPIH(NOTS) DELTP-TIA(NOTS) - 10(SPLIME(DO-5.DEPTH(NOTS-1)-DATA(NOTS-1) - 12B. MCLIM) DELTP-TIA(NOTS) - 10(SPLIME(DO-5.DEPTH(NOTS-1)-DATA(NOTS-1) - 12B. MCLIM) - 12B. MCLIM) - 10 260 M. Z. MC M. LU 260 M. LU	ATAU.	CASE	
CALL LUSPLNCUPPHA DO= 3EPTHCNOTS) DELT=DATACNOTS) DELT=DATACNOTS) DELT=DATACNOTS) DELT=DATACNOTS) DO 260 K=2.6KM1 LIL=DATACLIAN) LO 260 K=2.6KM1 LIL=DATACLIAN) LO 260 K=2.6KM1 LIL=DATACLIAN)	PLHCLEFINGADIS-13-DATACHOIS-13-HCLIM-FIB-F2B-6-1B-6-2B 2-DATACHFIELD3-03 (NOTS) TACHOIS) - SPLINE (DO-DEPTHCHOTS-13-DATACHOTS-13 ACHOIS) - SPLINE (DO-S-DEPTHCHOTS-13-DATACHOTS-13- CLIM3 - SPLINE (DO-S-DEPTHCHOTS-13-DATACHOTS-13- LLIM3) -2-KIM1 ACHOIS) - SPLINE (DO-S-DEPTHCHOTS-13-DATACHOTS-13- - LOO 2-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C	CALL LUSPLMULPTH(MOTS-1).DATA(MOTS-1).MCLIM.VID.V2B.2 ID-12D 2. DATA(MFIELD).0) DO:		9389	
DE-JEPTH(NOTS) DELIT-DATACNOTS) DELIP-TIACNOTS) TAGNOCLIN TAGN	(NOTS) TACHOTS) - SPLINE (DO.DEPTH(NOTS-1).DATACHOTS-1) ACHOTS) - SPLINE (DO.DEPTH(NOTS-1).DATACHOTS-1) ACHOTS) - SPLINE (DO-5DEPTH(NOTS-1).DATACHOTS-1) LLIN) - SPLINE (DO-5DEPTH(NOTS-1).DATACHOTS-1) - LAKIN 1 - LOO 240.240.250 - LOO 240.240.250	D0-3EPTH(NOTS) D0-3EPTH(NOTS) DELTIDATA(NOTS) - SPLINE(D0-3EPTH(NOTS-1),DATA(NOTS-1) DELTIDATA(NOTS) - T20-NCLIA) - T20-NCLIA) - T20-NCLIA) - T20-NCLIA) - SPLINE(D0-5-DEPTH(NOTS-1),DATA(NOTS-1) - T20-NCLIA) - SPLINE(D0-5-DEPTH(NOTS-1),DATA(NOTS-1) - T20-NCLIA) - T20-NCLIA) - T20-NCLIA) - SPLINE(D0-5-DEPTH(NOTS-1),DATA(NOTS-1) - T20-NCLIA) - T20-NC		9349	
DD=:DEPTH(NOTS) DELIF=TACNOTS) DELIP=TACNOTS) TAGGNCLIN TAGGNCLIN DG 260 K=2,KfM1 LL - DG 1,KfM1 LL - DG 1,KfM1 LL - LDG 1,KfM1	(MOES) TA(MOES) - SPLINE(BODEPTHEMOES+1),DATACHOTS+1) ACAOTS) - ALOCSPLINE(BOS-BEPTHEMOES-1),DATACHOTS+1) ACAOTS) - ALOCSPLINE(BOS-BEPTHEMOES-1),DATACHOTS+1) LLIN) - LOS SPLINE(BOS-BEPTHEMOES-1),DATACHOTS+1) ACAOTS - BOS SPLINE(BOS-BOS BOS BOS BOS BOS BOS BOS BOS BOS BOS	DD=:PFH:(NOTS) DELIT=DATA(NOTS) - SPLINE(UD.UEPTH(NOTS-1).DATA(NOTS-1) DELIT=DATA(NOTS)1o(SPLINE(DO-5.oDEPTH(NOTS-1).DATA(NOTS-1) DELIT=TAC(NOTS)1o(SPLINE(DO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1).DATA(NOTS-1) LOTZO-NCLIA) - SPLINE(CO-5.oDEPTH(NOTS-1)		03543 CASE	
DELIF-TIACNOIS) - DELIP-TIACNOIS) - TAGNICIN - TAGNICIN - TAGNICIN - TAGNICIN - TENNICIN - TENN	######################################	DELIT=DATA(MOTS) - SPLINE(UD-DEPTH(MOTS-1)-DATA(MOTS-1) DELIP=TIA(MOTS) - SIG(SPLINE(DO-S-DEPTH(MOTS-1)-DATA(MOTS-1) S T20-MCLIA) - SPLINE(CO-S-DEPTH(MOTS-1)-DATA(MOTS-1) DG 263 K-2.KFM1 LL-U-WIJAK(I-J-K) LY (LL - UO) 240,240,250 CONITAT IS (I-J-K-1) - SPLINE(LL-ULPTH-UATA-TZA-NOTS) US 17 /-0 US 17 /-0 US 17 /-0		VE051907	
DELIP-TIACNOIS) 726-NCLIN) 726-NCLIN) 726-NCLIN) 726-NCLIN) 726-NCLIN) 726-NCLIN)	A(ADTS)10(SPLIME(DD050.DEPTH(MDTS01).DAIM(MDTS01) CLIN)	DELIPTIAGNOTS)10(SPLIME(DO+5.DEPTHGMOTS-1)-DATAGNOTS-1) . PZ6.MCLIA) - SPLIME(DO-5.DEPTHGMOTS-1)-DATAGNOTS-1) DO 260 K-2.KFM1 2L-D41JACL-10) 240,240,250 COMINIC. 15.(1.5.KL.) - SPLIME(LE.ULPTH.DATA.FZA.NOTS) CONTINC. 15.(1.5.KL.) - SPLIME(LE.ULPTH.DATA.FZA.NOTS)		L 04050 3A	
DELIFFIER AGGGS	######################################	DELIFYTACHOUS		24569	
1 (14 - 00) 240.	- LEIND) - LEATH NI - UDD 240,240,250 - UDD 240,240,250 - UDD 25FLINL(216 - Ut@ IN-DATA - TZA - NOIS)	1	TIPETIA(NOTS) -	CASFA	
•	-2.p.K.M.1 JAC(1.J.K.) - UO) 240,240,250 - UO) 240,240,250 - UO) 240,240,250	UG 260 K=2KKM1 LL = UGA1JAKL+3-K) F (LL = UO) 240,240,250 COMITAIL 15,(1,3-K,1):>FLIME(2LE,UEPTH-DATA,FZA-NOTS) L3 17 /-0	**************************************	CASE6	
	-2,8ff Ml JA(1,3,R) - UO) 240,240,250 A,1):>FLIML(21t,ULPIN,UATA,F2A,NOIS) U	UG 26.0 K-2.KFM1 LL -UGM_LAK(1J.K.) LCANIMAL 15.(1J.C.) 240,240,250 CONIMAL 16.(1J.C.) 240,240,250 LANIMAL 16.(1J.C.) 240,240,250 LANIMAL 16.(1J.C.) 240,240,250		CASE	
	JA(1.j.k) - UO) 240,240,250 A.]):>FLIMI(211,ULPIN,UATA,T2A,NOIS)	<pre>21(:DU41JAC(1.5.R) 10 (4.1 - 00) 240,240,250 CONINT 15.(1.5.8.R))->PLÁM(21t.ULPTH.UATA.VZA.NRTS) 6.3 17 2.0 L7R119.1</pre>		CASE	
	- UO) 240,240,250 a.1):>Flimi(21t.ulpin.bata.72a.ndis)		21t - 1041 JAC1 - 3, K)	LASE	
	- UD)			CASE	
	A.1):>FLENCZEE.UEPIN.UATA.VZA.NOIS) U	CONTINUE TO SCIEDOR SIDES MECCEE OUR THODATA, FZAONDIS) US TO 7-20 CONTINUE		0.000	
_			1 Continuity	9369	
INSTITUTE OF THE STATE OF THE S	3587	CASE	IBACKEDEN IV-VYLENKKKE COURT INCOMENOVINA	CASED	

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	tt=tl. + (2Lf-b0)/ntm) + f#P(CD0-2EE)/MLM) ut=(2Ll-b0)+t#P(cd0-2Et)/MCM)	CASEG	55
. 105(1.J.K.	165([,J.K,1)=5PLint(2EE,DEPIM(MOTS+1),DAFA(MOTS+1), V2B,MCLIA)	6 A S E A	==
	.utilieff . Dilipott	VE 050101	•
260 CONTINUE		93843	==
		CASE	:
10#11#07 eaz		CASE	11
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DO THE SALINITY	10117		2
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		CASE	122
}	IF (M.G.1.MCLIM) 60 10 302		\$21
•		CASE	125
73 38 36647 38	F. Calmacant Cast capes	CASE	126
	C. RUGUE STILLING FIELD IN CASES 1.)	C B S 6	170
•		CASE	123
READ CED	REAL (III) ((865/1.1)))	CASE	2:
CALL COORD!	CALL COGADC(O63.63.PHIBAR, LAMBAR.ANS(1, 1, N, 1), IFP1, D1, D5, D7, D9	9369	135
	(Foafo 1F01 o AF01 o 1 o F1RST)	CASEG	133
967 61 69		CASEG	134
302 COM11MM		93687	2
•		CASE	12
DG 315 1=2,1F	±_ '	CASEA	2
#°7=F 416 BA		CASE4	53
DG 305 N=1+MCLIM	***************************************		=
315	DATA(4)=ARS(1, J.N. 1) - 35.	CASE	142
•		CASE	=
CALL CUSPL	call cuspersoff pinesoff partir, via, vza, via, vza, soff nsceles)	CASEG	===
:			
UB 310 K=2.KFM1		CASE	1
	310 Testisser.2D=SPLIME(DUMISKLIsseR)sDEPTMS.DATA.V2A.MCLIM)	CASE	=
**************************************			•
		49747	? ?
:	APPLY NG FLUE LATERAL BOUNDARY CONDITIONS, EQN. 3.36 AND 3.37	CASE	?
•		CASE6	2
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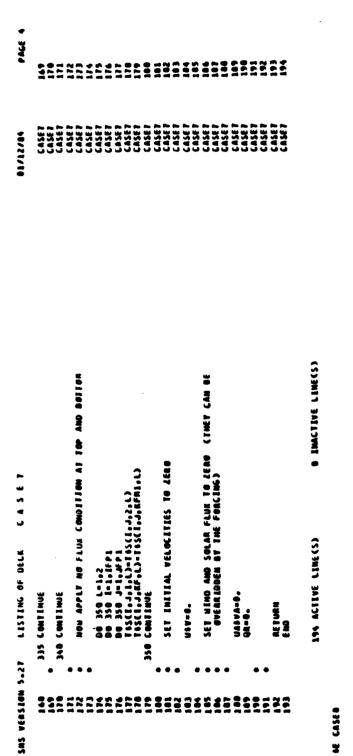
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. * * * * * * * * * * * * * * * * * * *			•	CASET	2:
	; ;		. TCB,MCLIR) -	19545 19545	:
DG 260 K=2,0KF NI 26 E-DUMIJAC(1.J.K.) CASE 7 240 CONTINUE 185(1.J.K.))-SPLIME(214,0KP1M,DATA,VZA,MOTS) CG 10 240 CONTINUE 250 CONTINUE CG 10 240 CASE 7 CASE					101
### TEE = DUM JAK 1. JAK CASE A			00 260 K22.KFR1	CASET	701
14 (211 - DD) 240,240,250 240 CONTINUE 15(1,1,1,1)-SPLINE(211,0EPIM,DATA,FZA,MOTS) CO 10 240 CO 10 240 CO 10 240 CO 250 CONTINUE CO 10 240 CO 250 CONTINUE CO 250 CONTINUE			/{E -bun ja(odek)		9
240 CONTINUE 185(1-)-5FLINE(216-UEPIN-UATA-V2A-NOTS) 60 10 240 60 10 240 60 10 240 60 10 240 60 10 240			14 (221 - 1101 240 240	C 35E 7	501
165619-164.13-5PLINE(21t, UEPIN, UAIA, PZA, NOTS) CO 10 20 CO 10 20 CO 20 CONTINUE CO 10 20	5	240	_	CASE	90
CASE TO BO 200 CASE CO BO 200 CASE CASE CASE CASE CASE CASE CASE CASE	901	;		CASET	201
250 CONTINUE			047 01 07	CASET	80
			4181 180	CASET	2

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011	EF=(1. + (1tt-U0)/MCM) + EMP(CD0-2EE)/MCM) GE=(16E-D0)+EMP(CD0-2te)/MCM)	CASE7	111
•		CASE?	21:
•		CASE	<u> </u>
•		CASET	11
•	200 ComTtws	CASE7 CASE7	• • • • • • • • • • • • • • • • • • •
••	ASSISTED ASS	CASET	22
• 221		CASET	22
	300 N=N+1 If (N,6T-MCLIM) GO TO 302	CASEZ	\$2 22 22
• • •	3	2 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	121 121
•	IF (TYPE-ME-LATMOSCM)) CALL STOPP -(" DROWG SALIMITY FIELD IN CASE? 6")	CASET	621 21
	NEAD (10) ((043(1,J),1-15,1E), J-J5,JE)	(ASE?	3
	,		
	001 01 07		12:
155	302 CONTINUE	1964 1984 1984	
	00 315 1=2.1F 00 315 J=2.2F	CASE 7 CASE 7	122
•	90	CBS67 CBS67	<u> </u>
•	•	13543	<u> </u>
	•	CASE 7	23
•	DG 310 K=2akM1 310 Tes(15.4.ko.2)-SPLINE(DUMIJK(10.4.K), DEPTMS, DATA, YZA, MCLIM)	CASE7 CASE7	112
•	315 CONTINUE	CASET	181
• •	APPLY NG FLUA LAIERAL BOUNDARY COMDITIONS, EQM. 3.36 AND 3.37	CASET	C 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
•	DG 340 K-2-KFM1		325
181	DØ 315 L*1.2	7 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	981
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	DG 330 1-101FP1	CASE? CASE? CASE? CASE?	2222



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MODSETS PREVIOUSLY APPLIED TO SPL: L122763A

	SUBROUTINE CASED	CASEO	-
~ .		CASEB	~
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• •	MAN ACTUAL INTERPOLATION IS PERFORED.		• •
•	•	CASEO	•
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•	DIMENSION DUMIJK(IF, J. out), DUMK(IF, JF, MF), COUM(IF, JF, KFM1,2)	CASE0	•
	· · otorill-of bar(1)-of antill-opmit1).otooi(ifp1.JFP1)	CASEB	= :
	COCIONE COLLINE COLLIN	CASEB	= :
	· • (0[558;05]o (0]558;0570;06[5580]o (0]810;090;056[5590]	CASE	21
==	INTEGER GIRUN, GR. GSVSIR. GSVING, GWILL, GWIZ, GWAI, GWAZ, GRF	CASEB	=
1:	• • • • • • • • • • • • • • • • • • • •	CASE 0	2:
	/20/2010/110/11 VIEG	C122763A	-
•		CASEO	=
2 :	PERSON CONTRACTOR	CASE0	= :
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2 7	COSCINE ALE LAMBARCIES DE 10		: 2
: 2	(OSVPLO .61. PHIDAR(2)) 68 18	CASEO	:2
: 2	COSYPAN -LI- PHIBAR(JE) GO 10	CASEO	*
*	10 50	CASE	2
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*	CONTINUE AND ACTUAL AN		5 5
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• •		CASE	
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	CALL STOPP(" MRONG LIMITS ON MESTED RUM 8")	CASEO	~
75	SALLD. " PE12.5" MUST BE LESS THAN	CASEO	3
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	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CASEO	Ş
	TIE CLUS	L122783A	•
:	MRITE (LUS) (OLGAR(I).1=1.0MI1).(GFBAR(1).J-1,0MJ1)	L 122703A	• •
7	CPHU1:F*(F)H40) (ZINO:F:F)	ALD/2711	- {
;;	TEAD OF A PARTICULAR OF A PART	C 856 B	;
•		•	:

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APPLY NO FLUX CONDITIONS AT TOP AND BOTTON	CASE
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Dd 100 (x1.2	CASEO
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185(10.18F9L)=165(10.10RF8L0L)	CASE
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RE TURN END

LISTING OF DECK

SAS VERSION 5.27

A-14

DOG SASIBB : DECK CASEDA IS EDITED FROM SPL FILE CREATED ON 12/20/03 AT 09:59:14 LAST UPDATED ON 12/27/03 AT 17:58:40 DV SMS VERSION 5.27 LANGUAGE: DINENSION NES(20),A(4),B(4),IOF(4),JOF(4),K4(4),C4(4),OMC4(4) READ (LU) (((OLBIJK(i.d.K).I=I.ONII).J=I.ONJI).K=2.0KFRI) KLAD (LU) (((OLBK (1.d.K).I=I.ONI2).J=I.ONJ2).K=2.0KFRI) WRITE (LUS) (((OLBIJK(I.d.K).I=I.ONII).J=I.ONJ1).K=2.0KFRI) DIMENSIGN OZGIJK(GNII.ONJI.GKFNI).GZBK(GNIZ.ONJZ.GKFNI)

• GLAAK(GNII.).GPBAK(GNJI).GGLAK(GNIZ.OGFNI(GNJZ)

• GISK(GNII.GNJI.KF.LGIS).GZSUK(GNII.GNJI)

• GUSK(GNII.GNJZ.AF.LGIS).GZSUK(F.JF.RF.).GKLIF.

• 1855(IFPI.JF.F.KF.LS).ZSUK(IF.JF.).USV(IF.JF.KF.).UV)

• LAMBAK(IFPI).PHIGAK(JFPI).LAM(IF.JF.).PHI(JF) MARNING DIES AND DUEN ARE EXTERNALLY EQUIVALENCED INTEGER ONIL. ON JL. OKFRI. OKFRI. ON LZ. ON LZ. ON JZ. nedsets previously applied to spli Lizzobio Lizzibia DATA 10F/0.1.0.1/.JOF/0.0.1.1/ LOGICAL ERROR 02 B.1 JK. 9M.1 1, 5M.1 1, 6K.F.N.1 6. 6K. 9M.1 2, 6M.1 2, 6K.F.N.1 9K. 8M.1 1 GLAN. GNIZ OF HI. ON JZ OI 65, GNII, GNJI, KF, LGIS 02 504, GNII, GNJI GU 6 V, GNIZ, GNJ2, KF, L GU V EB 134, EF, JF, RF . LUGLUS) 95. IFP IS JFP BORFOLTS READ OLD DEPTH VALUES LANDAR, IFP I SUBROUTINE CASEBAC REAL LANGAR, LAN ONITAL=ONIL - 1 ONISAL=ONIZ - 1 ONJINI=ONJI - I ONJ2NI=ONJZ - I OKFNZ=JKFNI - I use(+)

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FRS 10H 5.2	7 LISTING OF DELK CASEBA	01/12/84	PAGE 2
15	WRITE (LUS) (((G28K (I.J.K),["1,0M12),J"1,GMJ2),K"2,GKFM1)	L122703A	•
×	44.44	CASEBA	2
		400V4)	7;
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130		CASEBA	135
ı	USEC	CASEBA	*
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ı	16 OF ALL 0.3 (A TO 354	LASEBA	163
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3	PRINT 961.CA	CASEOA	3
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921	962 FORMAT (/. ZDIJA(" , 12 , ", , 12 , ", , 12 , ")=",1PE11.4)	CASEBA	1
		CASEOA	52
	PRINT 9655MF6(G/BijK(ID*ID*(MF);JC*JGF(MF);KF);KF);KF62,GKFAI)	CASE 0A	2:
	. (7(21, 10f. 11, 4))		
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2	153 Testle-Jekel)=Testle-Jekel) o Fact	CASEDA	5
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		CASEBA	561
	3	CASEBA	-
5	157 CONTINUE	CASEOA	161
2;	(Yera) Yaran 2		
72	PRINT 941.(642814(10-10f(R),10-10f(R),RP),RP-2.0RFM1)	CASEOA	
703	See Centime	CASEBA	102
		CASEDA	202
502	940 FORMAT (. 2013KC 12 12 .)* ". 1PE31-4)	CASEGA	
			502
20.	1 51007	CASEOA	502
508	į	CASEDA	
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717	100 Continut	CASEOA	210
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		CASEBA	213
• • • • • • • • • • • • • • • • • • •	200 CONTINUE	CASEBA	214
211	•	C	215
212		CASEDA	217
978		CASEBA	510
221	READ (LU) ((((OUVY(I,),K,L),I=1,ONI2),J=1,ONJ2),K+1,KF)	CASEBA	219
777	• • • • • • • • • • • • • • • • • • • •	CASFOA	777
**	DO THE INTERPOLATION	CASEBA	222

(10) -AND. LAM(1)-LE-GLAM(10)) 11, (AM(1)) 1-1, (AM(1)) 1-1, (AM(10-1)-DLAM(10)) 1-1, (AM(10	•		CASEBA	22.3
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### ##################################	•	AC 2 3 = 40	CASEDA	239
## ## ## ## ## ## ## ## ## ## ## ## ##	•	25 W. 1 25 A.	CASEAA	240
De 6-0 M-1, M-1, M-1, M-1, M-1, M-1, M-1, M-1,	7	00-00-00	CASEBA	241
## ## - 1 0	•		CASEOA	242
DG 659 J-2, FM1 DG 650	•		CASEAA	243
DO 6.20 Journal Continue Conti		4F80 8 4F = 1	CASEAA	707
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			CASFAA	747
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### CONTINUE ### CONTINUE ### CONTINUE #### CONTINUE ###################################				251
### ##################################	•		CASEBA	5
### ##################################	•			
### ##################################	- '	P0 F0 7 7 7		
DO 600 A-2,KFM; DO 600 A-2,KFM; FIND K AND INTERPOLATION FACTORS FOR 4 CORNERS DO 640 M-1,4 DO 640 M-2,KFM; CASEDA CASEDA USE(M)=1,4 USE(M)=1,	-			
DO 600 A-2,KFM; FIND K AND INIERPOLATION FACTONS FOR 4 CORNERS FIND K AND INIERPOLATION FACTONS FOR 4 CORNERS DO 6+0 M-1p,4 USE(W)=1,- DO 6+0 M-1p,4 CASEA CASEB	_	01=(+)1		
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USE(W)=1, DG 430 MG=2, OMFM2 BF (24K(1,J,K), LE.O/BE(10·10F(M), JO·JOF(M), RO·1)) GO FO 635 CASEDA LASEDA	_	7-12-W 91-9-10-10-10-10-10-10-10-10-10-10-10-10-10-		
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1F (/ L M K (J - M) - M) - M D .	_	DG 630 KG=2,0KF42		
CANTINAL	•	IF (LEK(I.J.A.).CE.OZBA(IO+IOF(N).JO+JOF(N).KO) - AND.		***
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CONTINUE CONTINUE OF CASE OF C	_	K0x2	CASEBA	71
A4(W)=A (A4(W)=A) - (A4(L)=A)			CASFOA	217
- 0/22(10.10f(x).15.10)			CASEBA	270
		CACED (ABECL. J.F.) . 6288(10.10f(N).10.10f(N).10.10f(N).10.10f(N).	CASFOA	213

0014(N)= 640 CONTINIE 0 DG INTER(0 IN (USE)	O/ KPK (De 10t (R) 10t (R))	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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•		CASEBA
2	FACT = 0.	CASEBA
	00 654 M=1,0	CASEBA
652 FA	FALTEFACT + A(M) + M(M) + USE(M)	CASEBA
•		L 1220030
<u> </u>	IF (FACT .Eq. 0.) GO TO 655	11220038
•	!!	CASEBA
₹.	FALLS FACT	CASEBA
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65	now(tringer) and tringer) of fact	CASEBA
•	•	CASEOA
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	:	19269
622 (0		CASEBA
0	DO 656 L=1,2	CASEBA
5	00×(1°7°K°L)=0°	CASEBA
616 (0)	CONTINUE	CASEBA
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	12/12/03 AT ITTISTS LAST UPDATED ON 12/20/03 AF OPISTIC BY SAS VERSION 5.27 USER INFORMATION:	
PREVIOUSLY	. APPLIED TO SPLE L121303A L122003A	
-~	SUBROUTINE CASE DB(K.DEPINI.L.IZ.J.AK.V.IV.JV.KV.IOF.JOF.	CASE 00
••	THIS SUBACULINE DOES A SPLINE EXTRAPOLATION FOR POINTS OUT OF	CASE 00 CASE 00
•	RAINGE	CASEO
•	PARAMETER P-20	CASE00 CASE 00
•	LOCICAL ERROR	CASEOO
•	DIMERSION 2(12, 12, 542), V(IY, 14 547), 10F(4), 10F(4)	CASE
=	• • A(4),B(4)	11213834
•	DIRENSION VICED. 72(P). 71(P). 72(P). DEPTM(P). DATA(P). WSE(4)	CASEBO
:	14(4)	CASEBO
•	11017 - 111 0 1	
:=	IF (M67. P) CALL STOPP(" PARAMETER TOO SMALL IN CASEBBL")	CASEBB
=:		CASEBO
	DG 30 H=1;4	CASEOD
•	DB 28 Kat1.K2	
: 2		CASEO
2	DEPTRICED - LOLIO - LOF (ED) - LOF	CASEDO
		CASEBO
•		CASEOD
92	CALL CUSPLMCORPINGDATM.MK.PVI.VZ.AZI.ZZ.I.DEPTMCMK).U)	
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31		CASE DO
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33	IF COEFILE .61. 2.06FILMERT) USECRD=ERFC-DEFTMI/DEFTMERT)	4 12200 JA
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	IF (USE(1).USE(2).USE(3).USE(4) .ME. 0.) GO TO 50	
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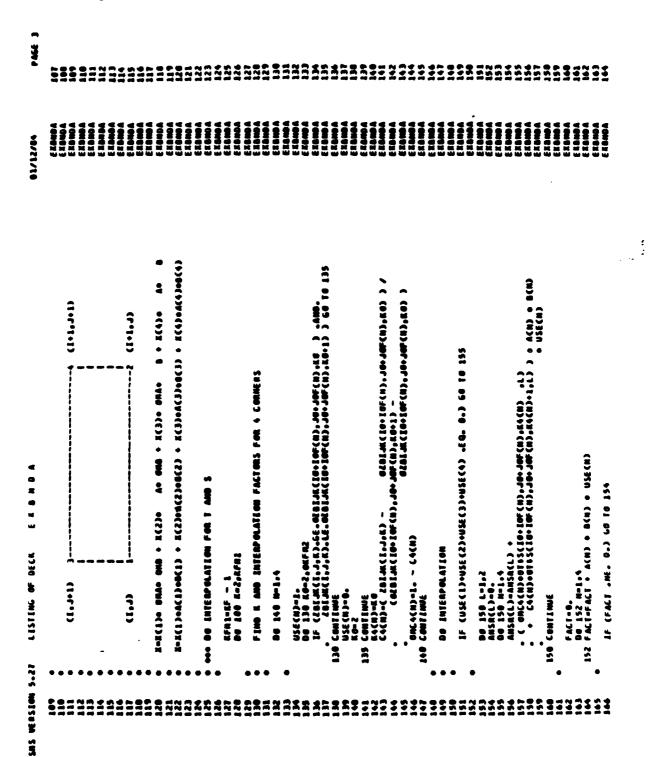
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5 28 3	2.21	LISTING OF DECK E R B N D A	01/12/04	PAGE 2
30	•	READ (LUS) (((GLBK (1,Jok)).[=1,0M12),J=1,0MJ2),R=2,0KFR1)	61000	Z :
13	•	READ CLO TIS		25
5 :	•		TONON Y	Z
2		U155-54834 CALL AMBADCO155-6411-6411-KF-1875-1-6411-1-6411-1-KF-1-1475		% :
5		- p Lustage.)		2 2
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3	•	DO 200 1-201F	70000	83
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3		•	EXONO.	; ;
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3	•	ENCEPE(OD.901.RS) I.LAMAGE(I)		: 3
2	7	FORMAT (" LANGIAL", 12, ")-", 1PE10.3," NOT ON OLD MESH"	PORTE S	2
= 1	•		EX DINO	=
22	716			25
: 2	•		A402010 1	-
2		A0-(LAMBAR(I)-019AR(I0)) / (018AR(I0+1)-018AR(I0))	EXONOR	· 2
2		2	EXOMOV	2
2:		A(1) - 61 A6	A 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 :
22				
: 8		A(4)a(4)	EK GROOM	2
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2		IF (I.ME.2 .AND. I.ME.IF) 60 TO 116	E KOMON	2
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3 2			Acres	: 2
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2		IF (PRIDARL), GI-GFBAR(JO) .AND. PRIDAR(J), LE. GFBAR(JO-1))	W060107	^ ;
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: 3	3	TABLET AND THE STATE OF THE STA	AGMARA	*
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Ŧ	985	992 FORMAT (" PRIDAR(",12,")=", DE10,3," HOT OR OLD RESM "	CHOMON	•
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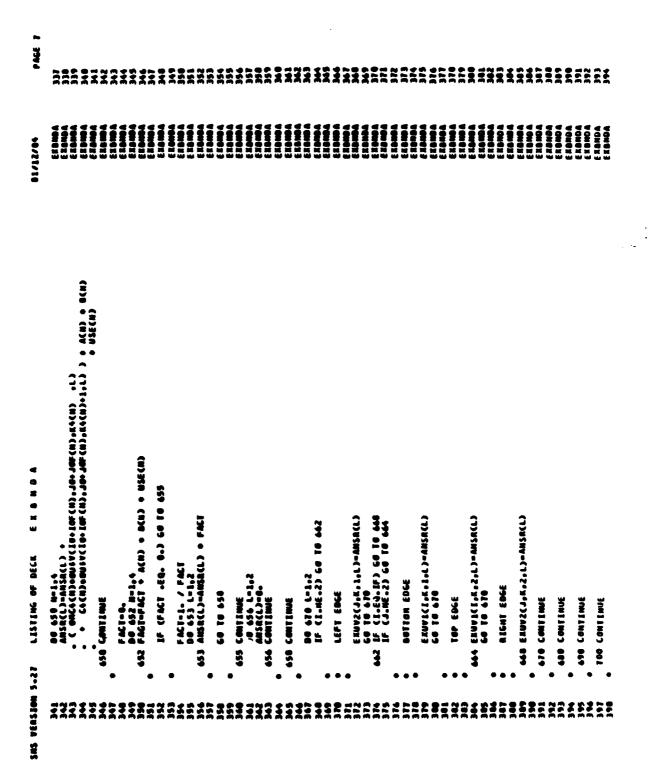
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* 354.4	523			171	113	<u> </u>	2	177	13		201		501	201	::	2	761	103	1	: 2	25	::	500		502	.	25	200	502 712	211	213	214 215	216	210	576 578	~ ≈	
91/11/10	C10101		400013 6101013	FIGURE	CHOIS CHOIS		A GRONDA	61019A	FORDE	401013 401013	CROUDA		6 10 10 A	A00013	E E E E E E	ENDROY		ENDRON	V 011011	E KONON	FIDIOA		ET D HOA	e a dega	EXDMO	e komba E komba	ETDMDA	400013 61010A	6 x 0 x 0 A	10 mg y	A CAROLA	E 1810 A	EXBED.		F 1 0 1 0 1	e kanda e kanda	
ASION 5.27 LISTING OF DECK E 4 B N D A	167 LOGICAL BEDUC/FALSE./ 160 If C.MOT. DEDUC/ FOUR 155	3	•	•	of the party (" pain grain praise " " " " " " " " " " " " " " " " " " "		Not report (7) to that a set of a set o	3	763 remain (776 mm exc	3	154 CONTINUE	15 • FACT=1. / FACT	00 153 L=102	IS ANSACLY-MASKLY OF ACT		155		The State of the S		DT IF (FREET) 60 TO 157		157		:			•	•		•	=		•	219 60 10 170 219 220 142 1F (1.54.1F) 60 16 160	1F (J.Nt.2) G	223 • B0110M £0¢£	• • • • • • • • • • • • • • • • • • • •

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CALL HABBEGULV.OHIZ.SHJZ.KF.LOVV.1.OHIZ.1.OHJZ.1.KF.1.LOVV
. . LU.-TRUE.)
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911 FORMAT ("LAM(".12.")-".1PE10.3." NOT ON OLD MESM ..."
. "EXBMDAS")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF (KLAM .EQ. OLAM(ONE2N1)) IO=10 + 1
AO=( KLAM-OLAM(IO) ) / ( OLAM(IO+1)-OLAM(IO) )
ONAO=1. - AO
A(1)-ONAO
A(2)-AO
A(2)-AO
A(2)-AO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DO 610 10-1,00 12N1
IF (RIAN-GT.0LAN(10) .AND. RIAN-LE.OLAN(10-1))
. GO TO 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JFN1=JF - 1
JF (1.NE.2 .AND. I.ME.1FN1) G0 T0 616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               THIS IS NOT CORRECT AT THE CORNERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF (I.Eq.IFn1) MAN-LANDAR(2)
IF (I.Eq.IFn1) MAN-LANDAR(IF)
                                                                                                                 164 ERTSICIOR, 2013-ANSACL) 60 TO 170
                                  EXTSICION 1101 > - ANSACL) GO TO 170
                                                                                                                                                                                                 168 EKTS2(JoK, 2, L)=ABSA(L)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DO THE INTERPOLATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LISTING OF DECK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CALL STOPPINES 615 CONTINUE
                                                                                                                                                                                                                                                                                                                                                                               READ OLD USY
                                                                                                                                                               AIGHT EDGE
                                                                                 100 EBGE
                                                                                                                                                                                                                                170 CONTINUE
                                                                                                                                                                                                                                                               100 CONTINUE
                                                                                                                                                                                                                                                                                              190 CONTINUE
                                                                                                                                                                                                                                                                                                                                200 CONTINUE
   Sas wensten 5.27
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1、10年の第二日

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91/11/10	EXCUDA	ET 000 A ET 000 A ET 000 A	FE 60 6	V 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E E BROA	E 1 0 40 A	ET BROA	EXCHOR	EX CHO A	FIGMOA	10105040 ERBHDA	61010A	ENOMO!	E E BEBA	E	E E BESS	V 0110	F1010A	61010A	V	7 0 1 0 1 0	10105040	E KOMOA	EXB NO A	A	61619 61619	£ 10 mg A	6 X 0 X 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0	ETDMOA		C I D HO A	E 1010A	EX DADA	K CHOY
4026	•	= IAASA L ANGMO(OF 1.0M11.0MJ).KF.l.1.0M11.1.0MJ).1.KF.l.1 LUTRUE.)					INT 1966.(OLDAR(1P).1P=1.0H11M1) INAT (/." GLOAR» "./.(10(21.1P11.4)))			,	#C10					JE) 60 TO 1114						((Je) .AMD. PHISAA(J).LE.OPDAA(JO.1))		49=1,000 July 1)		SECTION (* PRIBAR(*12,*)**, 1PE10.3,* HOT ON OLD RESM		•	TENTO) / (DESTE 10-1)-DESTE (10))					
5.27 LISTING OF DECK E A		OPI-IASM CALL RUBMO(OPI,ONII,ON LUTRUE.)	. SO THE INTERPOLATION	_	DO 1110 10-1,001101 IF (LAMBAR(I).67.0LBAR	e 60 Te 1115	===	35		3001	IF (LAMBAR(I) .EG. GLBAR() A0-(LAMBAR(I)-GLBAR(IO)	F1: - 40	AC2 3-40	A(3)-68A6	•	+ IF (I.ME.2 .AND. I.ME.IF) GO		. 2	==	32		IF (PHIBAR(J)-67-0PBAR(JO)	1120 CONTINUE	=		1902 FORMAT (" PHIDAR(", 12.	CALL STOPP (NES)	TIME	Parternal Action	000-1-1-000				•
Sas vension 5.	ž.	; ;;	3		::	117	614	51 7	417	Ş	420 421	275	÷	\$25 \$25	421	53	3	;;	9	3	3 5	3	3	33	::	::	:	200	::	85	75	453	\$ 25	156

11/15/04 X=X(1)0A(1)0B(1) + X(2)0A(2)0B(2) + X(3)0A(3)0B(3) + X(4)0A(4)0B(4) 19 1130 Ke-2.eufu2 |F (26K(1,3,K).6E.e12H(10-10F(H),30-30F(H),H0) .AMD. | 26K(1,3,K).4E.e14K(10-10F(H),30-30F(H),KG-1)) 60 10 1135 C.(n)-(284(1.1.k) - 0284(10-10F(N),10-10F(N),K0)) / (0284(10-10F(N),10-10F(N),K0-1) - 0284(10-10F(N),10-10F(N),R0)) (1.1.1.1) IF (USE(1)+USE(2)+USE(3)+USE(4) .E.G. G.) 60 TO 1155 FIND & AND INTERPOLATION FACTORS FOR 4 CORNERS 04 1150 H-144 ((104H)-04 (10 - 10 (H)-70-70 (H)-444H) (H)-44H) A. ORB . K(3). ORA. 1152 FACT-FACT . A(N) . B(N) . USE(N) IF (FACT .E4. 0.) GF 3 1155 X-X(1)+ ORA+ ORB + X(2)+ ... DO INTERPOLATION FOR P.I. BMC+(H)+1. - C+(H) KFA1=KF - 1 DO 1100 K-2,KFA1 DO INTERPOLATION LISTING OF DECK FACT=1. / FACT FACT-0. De 1152 M-1.4 DO 1140 M-1.4 (1:7:1) CONTINE USE (N)-0. USE (N)-0. US-2. CONTINE R4(N)-40 **USE(=)-1-**3:5 1140 CONTINUE 1150 CONTINUE 1135 200 SAS VERSION 5.27

į

JERS188 5.27	LISTING OF DECK. E K B K B A	********	
		19/77/79	
22	ABSECL)-ABSECL) + FACT	E E DADA	666
215		A design a	
29	66 TO 1150	ETOTO	215
•		ERGIBA	513
	30071007 6617	CHOMPY	116
225	CALL CACEBATANCE () JAKET 1. W. SPAR . MITS. AND 1. MEEN.	4000 H	\$18
225	• • • • • • • • • • • • • • • • • • •		915
22	-	700019	
	IF (ERACR) GO TO 1157	EXECUTE	3
	_	CKOMOA	3
		EXONDA	126
		ETOMOT	275
			€:
	-	A GEO 23	
	=	Exemply 1	25
•		E 1010	25
	1990 FORING (* 1840) 12 9 6 6 7 6 12 9 7 7 6 12 9 7 7 6 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	VOWO I T	23
	Mayo Con Avenue		25
	14100	CLOROA	
			168
	SE CONTINUE	T CHICKS	
•			25
145		VONOT 3	232
75	1F (L.NE.2) 60 TO 1162	VOHOT3	2
		V00013	537
		E HOMOA	220
	FROM STATE OF STATE O		F 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
215			3
		ELDHOA	~
	3	E I DINDA	25
• 285		EXCHOL	ž
9 2 2 2		V01011	55
			Š
	CAP 11/104/01/24 ARVACE)		
555			
. 956		EXONO	526
•			251
	1164 E4F11(164,2)=A55(1)		222
35		Action	33
196	RIGHT EDGE	Venez	255
•			25
•	1168 64712(3,4,2)-4454(1)	A01013	25.
•	1170 CONTINUE	CHONON	22
•		A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3
266			3 3
269	TO CONTINUE	EXBROA	3
•		VOECH U	3
572			
)			•

333 VG00013 3 INACTIVE LINE(S) 975 ACTIVE LINE(S) LISTING OF DECK SAS VERSION 5.27 222 te remist 02/28/84

CREATED ON 08/16/83 AT 15:14:31 LAST UPDATED ON 02/28/84 AT 10:58:37 BY SHS VERSION 5.27 LANGINGE:

MODGETS PREVIOUSLY APPLIED TO SPL: LO81683F LO81883A LO81883B LO82983B LO20384A LO21384A LO22884A

(SUBROUTINE FLUXST	L021384A	ო
* * N M	GETHE IMPORTED FILLY	L021384A	4 1
• •		L021384A	9
	IF DINFLS > 1,610 THEN USE THE OLD FORMULATION (NO SIGN CHANGE)	L021384A	۲ (
• •	IF DINGLS < 1.E10 THEN ADJUST SOMETHING TO GET:	L021384A	3 0-
•	(INFLOW/DUTFLOW)=ABS(DINFLR)	L021384A	9
• •	TE DINGLE > 0 THEN ADDIST DINGLE	L021384A	= 2
		L021384A	13
12 F		L021384A	<u>+ 17</u>
-		L021384A	91
15	INTEGER 110LER/27,1CK(4)/0,0,0,0,0,MITER/5/ LDGICAL FUDGE	L021384A	18
9		L021384A	6
17 8	ON K LOOFS, WE ARE WORKING AT K=K+1, SO KANGE IS REALLY FROM 2 -> KF	L021384A L021384A	2 20
16		L021384A	23
* *	USE ONLY INTERNAL POINTS (LOOP TO KFM2)	L021384A	23
22	KFM2=KFM1 - 1	L021384A	8 2
23		L021384A	56
24	PAEST=0.	L021384A	22
7,	reference	10213846	2 8
27	PAGE HASO.	L021384A	8
		L021384A	33
	i Livius de Livius	10213848	75
	A SERVICE TOTAL TO	L021384A	i é
32	IF (FLUXIN(1) .EQ. 0.) GQ TQ 190	L021384A	32
33		L021384A	8
• • • •	I AT EDUC SMUDLU MEMELY BE 1.5, BUT ALL UNANTITIES AME SYMMETRIC, SO WE CAN USE 1#2	L021384A	÷ 8
36		L021384A	8
37	1=2	L021384A	? ;
38	1CK (1) =0	L021384A	2
40	R1=0.	L021384A	4 3
4 1	SI=O.	L021384A	4 4
43 103	CONTINE	L021384A	4
	10 (1) = (0) (1)	L021384A	4
45	G- 4	L021384A	4 4
4 7 4 0 4 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	(3+ 0) C) 11(1)	L021384A	20
84	Call Microsoft	L021384A	2
49		L021384A	25

FWEST=0. FWEST=0. DG 165 P=1.NFM2 CALL ZSET3(K+2) CALL FIEP2(K+1.1) CON=1. / DINFL(1) D1(1,J)=ZBAFK(1,J,1) # CON D2(1,J)=ZBAFK(1,J,1) # CON D2(1,J)=ZBAFK(1,J,1) # CON D2(1,J)=ZBAFK(1,J,1) # CON D2(1,J)=ZBAFK(1,J,1) D3(1,J)=ZBAFK(1,J,1) D4(1,J)=ZBAFK(1,J,1)	L021384A L021384A L021384A L021384A L021384A	34837836
î,	L021384A L021384A L021384A L021384A	489788
ia .	L021384A L021384A L021384A	88688
	L021384A L021384A	3686
îs .	L021384A	386
	07001001	88
	1.021.384.6	; ;
	L021384A	ခွ
	L021384A	79
	L021384A	62
	L021384A	4
1; / DBOTBL(1)	L021384A	6 Q
10 T=10	L021384A	9
i	L021384A	47
D1([, J) =D1([, J) + 1.	L021384A	9 9
	L021384A	2
IF (DINFLS(1) .GT. 1.E10) GO TO 119	L021384A	7,5
4 C 9	L021384A	7 5
33	L021384A	? *
16.(1.J)=DINFLS(1) + 280RK(1.J,2)	L021384A	75
•	L021384A	35
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	L021384A	۱,
US(1:J)=US(1:J) # UI(1:J)	L021384A	2
7	L021384A	8
D1(1, J) = [5(1, J) / D6(1, J)	L021384A	18
50 T0 122	L021384A	2 6
	L021384A	8 8
00 120 J=1, JF	L021384A	8
D1(I,J)=1. / D1(I,J)	L021384A	9 6
	L021384A	à 8
00 130 i=1.0E	L021384A	8
D3(1, J) = D1(1, J) + D2(1, J)	L021384A	6
D4(1,J)=ABS(D1(1,J)) + D2(1,J)	L022884A	4
!	L021384A	6 6
DO 140 J≈1.JF	L021384A	9
	L021384A	92
00 150 J=1,	L021384A	86
(,1)=[(3(1,1) # ALFL(1,1)	LUZ1384H	98
לני,ו≖נ 160 mg	L021384A	6
FWEST=FWEST + D4(1,J)	L021384A	00 1
PWESI=FWESI + AMAXI(U4(I.J),C.)	L021384A	101
CONTINUE	L021384A	103
	L021384A	104
IF (DIMESCI) (GF. 1.170) (G 10 190	1.0213848	000
X4110 - 13431 / FMEST - 13431	L021384A	101
FINGE OBTIO DINERO, ITOLEK, IKKE, O. GO TO 185	L021384A	108
10, (1) .EQ. MITER) GO TO 185	1.0213846	6
-	4044	;
KATIO: THEST / CHUEST - PHEST IF CEUGLAGHULUNTEROD: ITOLEK, HALE,) GO TO 185 IF CLOCK () LEO, MITER GO TO 165		L021384A L021384A L021384A L021384A

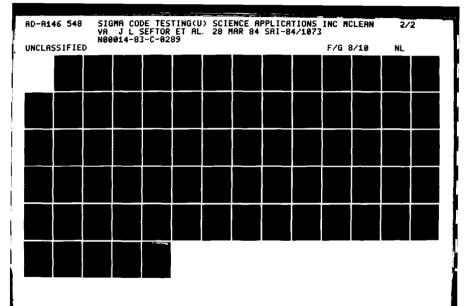
SMS VEKSION	5.27	LISTING UF IECH FLUXSI	02/28/84	PAGE
88		ADJUST	L021384A	111
011	•	R0=R1	L021384A	13
		19=05	L021384A	4:
113		51=01NFLS(1) 1F (DINFLK(1) ,LT, 0,) S1=DINFL(1)	L021384A	911
711			L021384A	117
911		KZ#MBS(UINFLK(1)) (S1-80) / (S1-E0)	L021384A	91
117		(DINFLR(1) . G1. 0.)	L021384A	120
811		IF (DINFLK(1) .L.f. 0.) DINFL (1)-CON	L021384A	121
120	•		L021384A	123
121	185	CONTINUE	L021384A	124
22		DINFLR(1)=RATIO	L021384A	125
124	190	CONTINUE	L021384A	127
52.7	*		L021384A	128
127		FAST EDGE		130
128	****		L021384A	131
22.5	•	IF (FLUXIN(2) .Ed. 0.) GO TO 290	L021384A	7.5
IEI	• •	1 AT EIGE SHOULD REALLY BE 1F5, BUT ALL GLANTITIES ARE	L021384A	134
132	•••	I=1F-1	L021384A	135
134	•		L021384A	137
133		[CK (2) ≈0	L021384A	138
136		R1=0.	L021384A	601
137		51=0.	L021384A	0 - 1
66. 1	203	IF (DINTER(Z), LI.O.) SI=1000.	L021384A	142
€	}	ICK(2)=ICK(2) + 1	L021384A	143
	•		L021384A	144
142		K=0	1.0213846	1.00
*			L021384A	147
145	•		L021384A	148
146		FEAST=0. PEAST=0.	L021384A	\$ 3 1
9	*		L021384A	151
149	•	DO 265 F=1.FFM2	L021384A	152
00 I	•	CAL 23613(9+2)	L021384A	90
152		CALL + UEF2 (++1, 1)	L021384A	155
153	•		L021384A	156 15
7 6		CON=1. / DINFL(2)	L021384A	851
35		D1(1, J) = ZEAG (1, J) # CON	L021384A	159
157	205	U2(1,J)=260TBH(1,J) = ZEAR (1,J)	L021384A	160
901	•	COMPANY A CONTROL OF THE CONTROL OF	L021384A	191
091		10 Miles 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	L 021384A	163
191		(1 (1, t) -1 (1, t) + 1.	L021384A	164
162	017	Date of the contract of the c	1 021384A	165
163	•	812 OF 188 181 181 181 181 181 181 181 181 18	1 021384A	201 191
165	•		L021384A	168

10 10 10 10 10 10 10 10				PAGE
10 10 10 10 10 10 10 10	166	JE 1-10 G13 G1	L021384A	169
100 100	27		021201	2
17. 214 214 215	101		10213840	2.5
10 10 10 10 10 10 10 10	1 4		4001201	
17.7 214 Delitable from a to fitted and		£	HEDE TROP	1 (
20 20 20 20 20 20 20 20			H-021201	5/1
17.2 1.00 210 John John John John John John John John			L021384A	*/
DOT 200 - 1-1-15	175		L021384A	175
216 (01 0.1) = 15(11.0) / 16(11.0) 16(11			L021384A	176
Continue		(D. C) -15 (D. C)	1.0213846	177
10 10 10 10 10 10 10 10		0.0 10 0.00	10013840	170
214 CONTINUE			Pro01201	
219 CONTINUE 10 220 Jal. PER CONTINUE 11 CONTINUE			L021384A	
DECOMPANY DECISION			L021384A	180
220 CONTINUE 10 COO J=1.JF 20 D4(1.JD) + D2(1.JD) 20 D4(1.JD) + D4(1.JD) 20			L021384A	181
TO CONTINUE			1.021384A	182
10 230 131 14 15 15 15 15 15 15 1			1.0213840	183
100 250			1 021384A	184
240 B3(11,10) # B2(1,11) 240 B3(11,10) # B2(1,11) 240 B3(11,10) # B2(1,11) 240 B3(11,10) # B2(1,11) 240 B3(11,10) # B4[L(1,11) 240 B3(11) 240 B3(11,10) # B4[L(1,11) 240 B3(11,10) # B4[L(1,11)			0233540	90
230 D411.33 E48(101.33) + D2(11.33) + D2(1	100		400000	
10			HERETON .	90.
10 240 July			L022884A	0
240 02.0 July 1.0 f 4(1, July 10.2 co. 1 July 1.0 f 4(1, July 10.2 co. 1 July 1.0 f 1.0 f 1.0 july 1.0 july 1.0 f 1.0 july 1.0			L021384A	2
240 D3 (1) = 43 (1) / 14 (1) 10 C260 -1/F 11 C C C C C C C C C C C C C C C C C C		140 240 J-1, JF	L021384A	189
### DD 250 J-1.JF 250 Lett.JJ = ALEL(1.J) 150 Lett.JJ = BA(1.J) 150 Lett.JJ = BA(1.J) 260 Lett.JF 160 Lett.JJ = BA(1.J) 260 Lett.JF 260 Lett.J		D3(1, J) = 03(1, J)	L021384A	190
Discrete			L021384A	161
250 L4(1.J) = D3(1.J)		3	L021384A	192
EGG 566 Jat. JF EGG 141. JF		4	L021384A	193
FEAST-LEAST FAMILIA-CLO.) CO.13844			L021384A	194
FEASTALEAST + FAMAXILLACLUD. DACTUD.			L021384A	195
260 FERSISHERS + GHRXILLEGISDOS) 260 CUNITINE 261 CUNITINE 262 CUNITINE 263 CUNITINE 263 CUNITINE 264 LOSISSER 265 CUNITINE 265 CUNITINE 267 CUNITIN			1.0213840	196
F (10) H			10213840	197
F COUNTINUE CO			10213840	198
F CHINITIST CF AST AST CF AST CF AST CF AST A			20012040	2 0
F (DIMETEC) DI DI DI DI DI DI DI D			10213840	300
FALID PEAST FEAST FEAS		-	0013840	200
Fighto Prish / (Frast - Peast) 10 285 10	200		L021384A	202
	900		1.0213846	203
	3,0	TO THE PROPERTY OF THE PROPERT	1.0213846	204
100,000 100,		TO THE STATE OF TH	1.0213840	205
March Marc	100		1.0213840	900
KO-KI	707	To the state of th	1.0213846	202
HO-KI SO SO SO SO SO SO SO S		LANCON	04801001	300
Second	207		04001201	900
10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213844 10213846	206	K0±K1	H1001001	5.0
1021384A	207	15:=05	LO21304H	2
Figure F	208	51=HTH 13 (2)	M#801707	117
National Control Con	209	IF CHIMINGS TITEON STEDING (2)	L021384H	7 7 7
Control Cont	210	K1-KATIU	L021384H	213
1001384A	211		L021384A	4 1
	313	(1M+5) + 45 bt + 2 (3) or (4) (4)	1 0.1 384H	212
10213840 10213840	513	NO.1-0.78 FEED 0.0 (1911 0.3) FEED 1	L021384A	216
102.384A 102.384A 102.384A 102.384A 102.384A 102.384A 102.384A 102.384A 102.384A 102.384A 102.384A	214	THE COURT COURT COURT OF A LEGISLAN	L021384A	212
1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A	91 24		1 021384A	B1C
102/3849 103/3849	216		L021384A	613
1021384A 1021384A 1021384A 1021384A 1021384A 1021384A 1021384A 1021384A			L 021384A	220
0.01384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A 1.021384A			L 021384A	122
250 (1)1411199 (1)2844 66666 (1)2844 68666 (1)2844 68666 (1)2844 (1)2844	3		L021384A	22.5
1 0.13849 601384 6013840 1 0.213840			1.0213848	800
0713844		-	L 0.1384A	₹ (*)
458E-10-1			1,0213840	30.4
			1 0.1 3840	977

SMS VERSION 5	5.27	LISTING OF DECY FILLYST	02/28/84	PAGE
₹26		IF (ERIVINGS) 6.0 O 1 GO TO 390	***************************************	Ċ
ig.	•		10213846	777
226	-		021307	9 6
227	•	SYMMETRIES, SO WE CAN USE JE O	07001701	777
900	-		460.00	2 6
8	•	C.M.	L021384H	157
1 6	•		L021384A	737
2 .	•		L021384A	233
231		0=(2)	L021384A	234
232		R1 =0.	L021384A	235
233		\$1=0.	L021384A	236
234		IF (FINFLK(3), LT.0.) S1=1000	L021384A	237
232	303	CONTINUE	L021384A	238
236		ICK (3) = ICh (3) + 1	L021384A	239
237	-		L021384A	240
23 8		N ± 0	L021384A	241
239		CALL 7SE13(0+2)	L021384A	242
240		CALL + DEP2(++1+1)	L021384A	243
241	-		L021384A	244
242		F:SDUTH=0.	L021384A	245
243		FSDUTH=0.	L021384A	246
244	-		L021384A	247
245		DO 365 1=1.4FM2	L021384A	248
246	*		L021384A	249
247		CALL (25ET3()+2)	L021384A	250
248		CONT. + 6400 (0 + 1)	1.0213844	ē
249	-		1.0213846	252
0,4,0	,	C(N=1 / LIME (2)	02000	76.5
251		LO 305 1=1.1F	10213844	2.54 7.54
000		DI (I) = / BAKE (I) > # CON	10213840	200
253		12 (1.1) #740TH4(1.1) # 740W (1.1.2)	10013840	2 4
32.			1 021384A	257
255		CIN-1. / 14411EL (3)	L021384A	258
ķ		15 310 131 151 151 151 151 151 151 151 151 151	10013840	2 2 2
257		(B) ((1, 1) = 1, (1, 1) + 1,	L021384A	260
258		D2 (1) - (1) # CDN	1.0213846	361
259			L021384A	262
260		IF (DINESCE) (61, 1,F10) 60 TO 319	L021384A	263
192			L021384A	264
262			L021384A	265
263		ES (1.4) -FINELS (3) - 7 EAR (1.4, 2)	L021384A	566
264		E6 (1, J) - HINFLS (3) + ZBAR (1, J, 2)	L021384A	267
265	•		L021384A	26B
366		DO 314 (~1.1F	L021384A	269
797		De(10=06(),D # [01(1,0)]	L021384A	270
268			L 021384A	271
569	1	10 O O 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	L021384A	272
270	316	(L.1) 31 / (L.1) 21 (L.1) 10	1 0213848	:73
271		GO 10 322	L021384A	274
7/7	• •	TO MAKE A SWACK	0.00000	275
2,0	1		HF851501	9/1
T 11	0		10013046	//:
	? ?	CONTRACTOR OF THE PROPERTY OF	04001001	9/10
277			10010840	080
77.	•	0 1 2 3 1 2	A B C 1 C C 1	2 0
6			1 001 3840	685
380	2	[Independent of the control of the c	1 02 3BB4A	æ
19.			1.0.13848	284

SMS VERSION 5.27	.2	LISTING OF DECK FILUXST	02/28/84	
			L021384A	285
283 284	340 *	D3(1, J)=[53(1, J) / U4(1, J)	L021384A	286 287
	,	DD 350 1=1,1F	L021384A	78 78 78 78
	320	D4(1,J)=D3(1,J) * ALFP(1,J)	L021384A	284
28	_		L021384A	8
58.5 78.5		FSOUTH=FSOUTH + D4(1,1)	L021384A	\$ \$
	360	PSQUIH=FSQUIH + AMAXI (D4(1,J),0.)	L021384A	293
	# č		L021384A	294
	C 4		1.0213846	2 %
294	,	IF (DINFLS(3) .GT. 1.E10) GD 10 390	L021384A	297
500 500 500 500 500 500 500 500 500 500	_		L021384A	298
297		MAILU= - PSUUIM / (FSUUIM - PSUUIM) IF (FUUGE(RATIO,DINFLR(3),170LER,TRUE,)) GO TO 385	L021384A	300
B62			L021384A	301
299	.		L021384A	302
000		ALAUST	L021384A	303
305		RO=R1	L021384A	900
303		50=51	L021384A	306
5		EDINFLS(3)	L021384A	307
S &		IF (DINFLK(3) .LT. O.) SI=UINFL(3)	10213846	9 6
307		F2=ABS ((INFLP (3))	L021384A	310
308		*	L021384A	311
308		IF (DINFLR(3) ,GT, 0,) DINFLS(3)=CON	L021384A	312
310			L021384A	3 5
			L021384A	315
	382	CONTINUE GINGLE (2) = BATIO	L021384A	316
315	_		L021384A	318
		CONTINUE	L021384A	319
	****	STEEL HEADIN	L021384A	320
			L021384A	322
		IF (FLUXIN(4) .EQ. 0.) GO TO 490	L021384A	323
321			L021384A	324
322		SYMMETRIX, SO WE CAN USE UP ".D. BUT ALL BURNITTES ARE	L021384A	326
324		i	L021384A	327
325		J=JFM1	L021384A	358
327	_	10 (4) =0	L021384A	330
328		K1±0.	L021384A	331
324		51-0.	L021384A	335
	04	1F (PROFILE) (1) 51=1000.	10213846	3.4
	3	10 (4) (1) (1)	L021384A	332
200	_		L021384A	336
7 40 50 50 50 50 50 50 50 50 50 50 50 50 50			10213848	, כר פר
388			L021384A	334
337	_		L021384A	340
30		+NG-In C.	10213846	
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ERSION S	5.27	LISTING OF DECK FLUXST	02/28/84	PAGE
340	-		L021384A	343
341	,	DQ 465 +=1.+FM2	L021384A	344
342			L021384A	343
m m		CAL 235 3 (0 + 2)	L021384A	346
4 to 0	•	CALL NDEP2(N+1,1)	L021384A	347
7	•		LUZ1384H	5 C
347			L021384H	300
348		D1 (1, 1) = 2 FARR (1, 1, 2) B CON	L021384A	321
340	405	D2(1, J) = ZBOTHH (1, J) = ZBORN (1, J, Z)	L021384A	352
320	-		L021384A	353
321		CON=1. / DEOTEL (4)	L021384A	354
352		LG 410 (=1, IF	L021384A	355
323		D1(1,J)=[11(1,J) + 1.	L021384A	326
S in	410	D2(1,J)=D2(1,J) # CON	L021384A	357
	,	IF CHINELS (A) GT 1 F10) GN TO 419	10013840	9 0
327	*		L021384A	360
328			L021384A	361
926	•	PS(1, L) = DINFLS(4) - ZBAK (1, L, 2)	L021384A	362
9 7	714	DP(1:0)=EINFER(4) + CERC(1:0:2)	10213846	363
362	•	EQ 414 [21, 16	L021384A	365
363	414		L021384A	366
364			L021384A	367
365		DO 416 1=1.1F	L021384A	368
366	416	D1 (1.1.) = D5 (1.1) / E6 (1.1)	L021384A	364
196	•	60 TO 422	L021384H	370
070	• •	CONTINUE	10213840	37.5
370	•	ED 420 (21), IF	L021384A	373
371	420	[1] (1, J) = 1. \ [1] (1, J)	L021384A	374
372	12.5	CONTINIE	L021384A	375
373	-		L021384A	376
374		Liu 430 1-1,1F	L021384A	377
375		1341.J)=P141.J) * 1241.J)	L021384A	378
376	430	L4(f,J) -AES(D1(1,J)) + E2(1,J)	L022884A	0 1
377	-		L021384A	380
378	•	ED 440 E1 IF	0000000	181
6/8	9 4	EG(1:1) = EG(1:0) / 14(1:0)	10213843	285
2 6	•	147 ASO 1-11.11	10213846	386
382	450		L021384A	382
383			L021384A	386
384		E0 460 1-1.1F	L021384A	387
382		FNDKTH-FNIKTH + 114 (1)	L021384A	388
386	460	PNIKHH-FNUKH + PMBAT (E4 (1.0), O.)	L021384A	383
387	.		L021384A	390
99 G	465	CUST LEED	L021384A	371
1000	•	In Callin Call, and a factor and the Acc.	10213846	365
26	•		(021384A	394
268		FATTLE FLANCING OF FLANCING	L021384A	395
393		ma dellum	10213846	396
466		B CD (4) Att. MILLO GO 40 465.	L 021384A	347
368	•		1.021384A	398
396	• •	ed. A. D. S. C.	1 021384A	\$ 34 \$
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'OPY RESOLUTION TEST CHART

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     02/28/84
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINT 900
PRINT 901, FWEST,FLUXIN(1), PEAST,FLUXIN(2)

- , FSQUTH,FLUXIN(3), PNDRTH,FLUXIN(4)

- , 'FLUXES ARE CORRECTED FOR NESH DIRECTION.')

- , 'FLUXES ARE CORRECTED FOR NESH DIRECTION.')

901 FORMAT (//,' FLUXSTT AREA IN FLUX/AREA',

- , 'FLUX AREA IN FROM ARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.) FLUXIN(1)=FLUXIN(1) / (-PWEST )
0.) FLUXIN(2)=FLUXIN(2) / (PEAST )
0.) FLUXIN(3)=FLUXIN(3) / (-PSQUTH)
0.) FLUXIN(4)=FLUXIN(4) / (PNGRTH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUUTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINT 973.DINFL.DBGTBL.DINFLS.DINFLR.IC)
973 FDRMAT (7/120, MEST', T35, EAST', 150, 1165, NNHTH', 7, 170, 4(1PE10, 3, 5X), 7, 110, UHMTEL, 720, 4(1PE10, 3, 5X), 7, 110, WHMTEL, 720, 4(
                                                                                                                                                                                                                             (S1-50) / (R1-K0)
0.) DINFLS(4)=CON
0.) DINFL (4)=CON
                                                                                                                                              0.) SI=DINFL(4)
                                                    RO=K1
SO=S1
S1=DINFLS(4)
IF (DINFLK(4) .LT. 0.
R1=RATIO
R2=ARS(DINFLR(4))
IF (DIN-LR(4) . GT. 0.
IF (DIN-LR(4) .LT. 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PEAST .NE. (PEAST .NE. (PSDUTH .NE. (PNOKTH .NE.
                                                                                                                                                                                                                                                                                                                                                                              CONTINUE
DINFLR(4)=RATIO
     LISTING OF DECK
                                                                                                                                                                                                                                                                                                                          10 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CONTINUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ENC
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SMS VERSION 5.27
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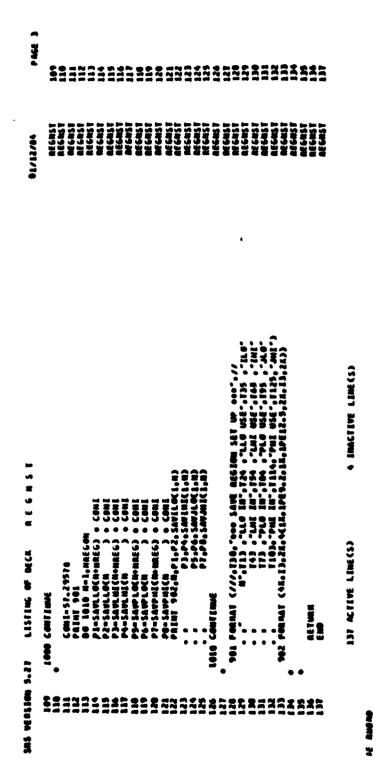
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197 ING USE UNE (5)

	201	171. "Par." (calat lagaesent fest fest fest salassus).	CPAINT INC	LEMENT	į	FORCING: WIND(W))*	10/15/04	394
PLE FAMILIE (LA - 171-71-16. (STORE INCREMENT FOR GEOSTROPHIC VEL (N)). (1920) - 171-730-16. (STORE INCREMENT FOR GEOSTROPHIC VEL (N)). (1970) - 171-730-16. (STORE INCREMENT FOR GEOSTROPHIC VEL (N)). (1970) - 171-730-16. (STORE INCREMENT FOR GEOSTROPHIC VEL (N)). (1970)			11- Inal. In	27			# # # # # # # # # # # # # # # # # # #	
	•		CPATHT 18CC 151006 18CC 151006 18CC		fif	15051100HIC 4EF (A)). 15051100HIC 4EF (A)).*/ 15051110HI MIMO(A)).	7	25 ~222

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. 394		:::::::::::::::::::::::::::::::::::::::	
01/11/04			
SAS VERSION 5.27 LISTING OF DECK. R.E. G. N.S.T.	11 - [FA1 - 2 - 1 12	TO CALL STORY CARGE IN VALUE OF SAVOLO IN AGENSTO") 139 CONTINUE 5.40 CONTINUE 5.40 CONTINUE 15.50 CONTINU	15



1 INACTIVE LINE(S)

33 ACTIVE LINE(S)

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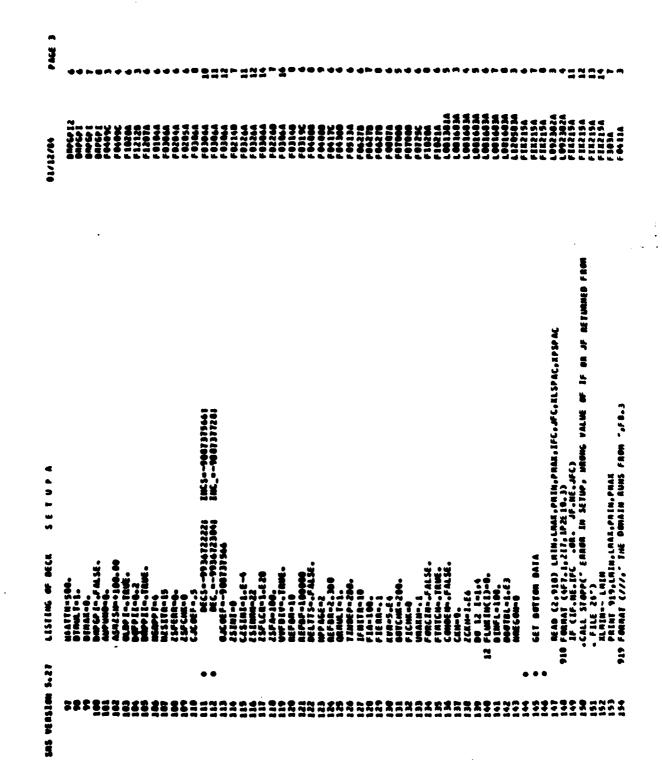
LISTING OF DECA

sas vension 5.27

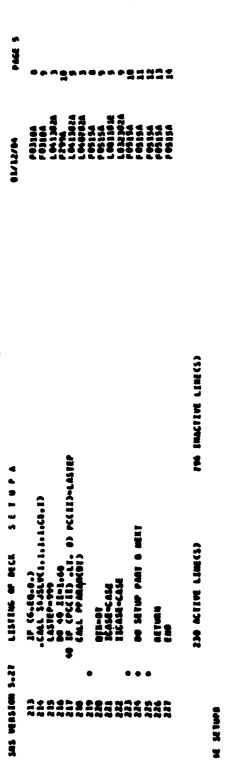


SETWA

3544	F42230 F2554 6-1181 F1134 F42214 F0224 F02314 F0224 F03314 F0224 F03314 F0224 F03314 F03314 F03314 F03314 F03214 F03314 F03214 F03314	######################################
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	FIRE 12/05/10/05/1	
A 9 9 T	LAST WPATES ON 12/09/03 AT 13140140 BT SMS VERSION 5.27 A F142110 F14213A F142150 F14221A F14225A F1 F299A F2990 F301A F301A F3030 F3030 F021C F02110 F0212C F0213A F02140 F0 F021A F040C F0410A F0410A F0411A F0 F021A F040C F0410A F0410A F0411A F0 F021A F040C F0410A F0410A F0410A F0 F0213A F040C F0410A F0410A F0410A F0 F0213A F040C F0410A F0410A F0410A F0410A F0 F0213A F0410A F	MIS) MIS) MIS) MILABEL 60 TO 6
•		MACHINE SETUPACOTA-ICASE) LINAC TUDC MACHINE
.1STING OF DECK	128 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SUBSOUTINE SETUPACHIA ICASE) ALLAC ASTUC ANDAL ENGINE-FALSE ENGINE-FALS ENGINE-FALSE ENGINE-FALSE ENGINE-FALSE ENGINE-FALSE ENGINE-FALS
1 5.27 L	2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
sas vension 5.27	CONTROL OF THE PROPERTY OF THE	-~



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91/11/10	F 04 114 F 0			
7 LISTING OF DECK S E T U P A	10.35 m	# # # # # # # # # # # # # # # # # # #	IF (MARK(2)-ME.OM .OM. MOIN) GO TO 30 MEAD(5)-ME.OM .OM. MOIN) GO TO 30 MEAD(5)-ME.OM .OM. MOIN) GO TO 30 SO TO 30 SO TO 30 MEAD (5, 100) MEAD (5, 100	CONTINUE CONTINUE
vension 5.27		•		



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FOLGESTA FOLGTSTA LOTISOIA
   F12236
L122063A
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CALL PRIC-1, SANOTIME DEPTMS ", 1807: 15. JF. 16. 11. FALSE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 F1020A F1023C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ....
                                                                                                                                                                                                                                                                                                                                                                                                                                  56 CONTINUE
900 FORMAT (1MO,SE,"PAINT INCREMENT CONTROLI",/)
901 FORMAT (5K, "1PC(1," ,12, ")=(" ,13, "," ,12, "," ,12,")")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     F05150 F0720F
                                                                                                                                                                                                                            DIMENSION DUMACIFO JFORF DOMINACIFO JFORF)
REALCO LOARLIFOLD POARCIFOLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CALL ISBUTHCKS. LSM. LBOT. D3. D4. IF. JF. . . . I Of S. LTOTE. LAAKE. BIT. DFT. ITAB)
                                                                                                                                                                         EQUIVALENCE (BURK, KV), (BURL, KW) (BULLALING (LBAR, BZ), (PBAR, BZ)
                                                                                                                                                                                                                                                                                                                                                                                  IFEST-IFEST + 1
IF (IFEST-EQ-1) PRINT 900
PRINT 961-J-(IPC(III-J)-II-1-3)
                                                                                                                                                                                                                                                                                                                                IF (IPC(I,J).ME.1) G0 T0 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1F (.Hel.Saddin) ce te se
1005675 PREVIOUSLY APPLIED TO SOL: F05158
L0720616 L0923624 L033163A L001663A
                                                   SUBROUTINE SETUPOROTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ((11-11))
                                                                                                                                                                                                                                                                                              1 56 J-1.4
10 52 [-1,3
                                                                           SCALL ALIAGE
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01/12/04 0468 2	25 00135 25 00135 25 00135		2	L092362A 9 SFT000 91			L092362A 15 L092362A 16	F 9000011	R 1205030	0.050217									\$1 W05021	1.205.0 A.	12200 M		L12200 3A 10 L12200 3A 11 L12200 3A 11	1 VE 902717
SAS VERSION 5.27 LISTING OF DECK SET UP D	O REMEMBER THE LATERAL DOUNDALES	. MENCE, THE FACTORS OF 1.5 (RATHER THAN 1) BELOW.	Ş Z	32				•			•	•	•	•••	•	• • •	•	•	• (•	101	•

*	222	:::::::::::::::::::::::::::::::::::::::	222	?? <i>?</i>	422	1777	155	35	33:	:::	: ^:	r 2	22.	"22	• ~	• •	`&~	%~ •	• 2 •	2 • 2	22;	:22
91/13/04	C1220036 C1220036 C1220036	VE050217 VE050217	W002217	W002717	1,120634 1,120634 1,120634	W 002277 W 002277 W 002277	VE050217 VE050217 VE052217	L120503A	25.00	1.120503A	A10211	F1023C	1000 F	10201	W016607	W01601	W050217	F10294 F05150 F072010	25.25 25.25 25.25 25.25	765158 765158 567168	SE T 60 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	26 TUPO S E
ASIGN 5.27 LISTING OF DECK SETUP &	00 NJ= J2 - J1 + 1 00 NJ2-J2 - J1 + 1	A1) 31100 .			MATTE (LU) FIXES . ADMS FIXINT. ADMS	121	•	_	CAL SECIFIC LIPUT ROUTINE concernmentarisment representations		*	2	120 CALL CARS 3CD1) 10 CALL CARS 4CD1) 11 330 CALL CARS 4CD1)	-	105 CALL CASE	951	2	151 • OPTIONAL PAINT & BAR & AMB & DAR LAK	IF (PC(24)-EU.O) .CALL PLTCO-7 OAR RO", DUME, IF .JF.RFR1	150 • .CALL PATCO.' DAM LAKE'. DUMLLK. IF. JF. AFARI.1 TRUE IPC(1,27))	159 SET UP SOME OF THE ARAN'S REQUIRED IN THE CALCULATION, GO.C.	• • •

9771/10	2																																			
-27 LISTING OF DECK SETUPD	DELII-1 - / DELT		185 25AV(1, J)-280F(1, J) + BELTI + 1.	F180 2 BAR 13	# 13 - 13 - 13 - 13 - 13 - 13 - 13 - 13	20 To 10 M	\$114 S61 00	. 195 Desc(1,1)-0.	71.50 000 000 000 000 000 000 000 000 000	0357 • ((1-7-1))(0 • (7-1))(0)-(7-1))(0) 002	DE 205 102.16	265 Den(1, J)-Den(3, J)	#11-1 012 90	210 000([01)-000([01)	· Fire quality that is accounce in acorting icaris	DALILEL / DALI	90 215 -10-46	215 DX(1-1)-Ded(1-1) • DELI	20 20 El. A	£1°1-1 027 00	220 0X(1,1)-0X(1,1) + 1.	90 225 Je 1-4 25		'	20 20 20 20 20 20 20 20 20 20 20 20 20 2	230 280 P((1,3)=1- / 03(1,3)	O SIND CAMPAILS TAKE IS DESAITED IN DAMPING BAILDING A			•	00 235 [-2,6FR] 	(CI+T 1-1) PPG (CI+T)	684021s.3>=684028(1s.3) - 24688 235 684028(1s.3)=684028(1s.3) - 5648		• BOTTON TOPOGRAPHY IS STARFINIC	00 240 J=2-JfM1
Sas vension 5.27	1	<u> </u>	23	12	200	2	2	2 T	23	E	26	3	55	2	Ē	25	2	2	£	E	2:	2	2 3	2	£	2		£ .	2:	2		\$12	216	2	\$1 2	122

11/17/10 Se INACTIVE LINE(S) 399 ACTIVE LINE(S) risting of deca sas vension 5.27

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A-65

02/15/84

	ON 5,27	
	IY SMS VERSI	
	LAST UPDATED ON 02/13/84 AT 13:18:33 BY SMS VERSION 5,27	
	02/13/84 AT	
FILE	UPERIED ON	
FROM SPL	LAST	:NOI
MS189 : DECE UVBND 1S EDITED FROM SFL	13:46:32	MAGE: FORTRAN USER INFORMATION:
DEC) UVBND	ED ON 06/18/79 AT 13:46:32	KTRAN L
MS189 :	ED ON O	AGE: FO

SUBROUTINE UVENUO SUBROUTINE SETS THE EXTRA UV POINTS WHICH LIE DUISITE THE UVENUO COUNTY COUN	MODSETS FREVIOUSLY F011281A F01	APPLIEU TO SPL: FIX200A FIX201A FIX201F F292A PISWEEPI F0428B 1281B L032382A L020384A L020384A L020384B	F0530A	F1024D
THIS FOULTINE SETS THE EXTRA UV POINTS WHICH LIE QUISITE THE EQUALIDATE. CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE PROPER		SUBROUTING LIVEND	•	WENT
HIS KOUTINE SETS THE EXTRA UV POINTS WHICH LIE DUISITE THE EDUNGHY. SCALL ALLHAC. DIFFUSCION DISCIPPILAFFILE) ENUINALEME (102.65) ENUINALEME (102.65) ENUINALEME (102.65) ENUINALEME (102.65) ENUINALEME (102.65) INTEGER CASE UN THE BUITON ACCURDING TO EDN. 3.34 (INTERIOR LATERAL POINTS). IF THE VERTICAL FIXING WAS DONE. THEN THE DUANTITY THAT WE DALCHLAFE IN US. IT IS ABORD ON THE OLD UV'S, NOT THE UPPARED ONES. IT IS ABORD ON THE OLD UV'S, NOT THE UPPARED ONES. IT IS ABORD ON THE OLD UV'S, NOT THE UPPARED ONES. IN WHICH THAT THAT WE SET THU-SIGNAFIAND ON THE USE THE SUKFACE COUNTINGS OF THE SIGNAFIAND ON THE LIA Y UNV. NOT 12. FFT THE LIA Y UNV. WE MATTHAY UNVERTICAL THE LUKHELT FEVEL, SO WE MUST HE HALL AND THE SUKFACE COUNTINGS OF THE SIGNAFIAND ON THE LIA Y UNV. MIN THE THAY UNDER THE LUKHELT FEVEL, SO WE MUST HE HALL AND THE SIGNAFACE COUNTINGS OF THE SIGNAFACE OF THE SIGNAFACE COUNTINGS OF THE SIGNAFACE OF THE SIGNAFACE COUNTINGS OF THE SIGNAFACE OF	2		-	CVBND
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IN ECEK CASE IN THE WORTHOM PACCHEDING TO EDN. 3.34 (INTERIUR LATERAL POINTS). IF THE WORTHOM PATTING MAS DONE. THEN THE CHANNITY THAT WE CALCULATE IN DETH MULE HAVE DEED WES. IT IS LASED ON THE OLD WAS NOT THE UPDATED ONES. THEREFORE, DEITH MIST BE CALLED AGAIN. 200 CALL HERMITEMILAFMILE HISTORY, S. O. DELNZICH AGAIN. LO 300 1-1.2 LO 300 1-2.1FMI 300 USV(10) F. D. DUV(10) F. F. D.	0 :	EINIVALENCE (ISIP. VAK14)		L081683A
IF THE VERTICAL FIXING WAS DONE, THEN THE CUANNITY THAT WE CALCLARE IN DETH MULD HAVE BEEN FLACED IN 19. IT IS BASED ON THE DIET MULD HAVE BEEN FLACED IN 19. IT IS BASED DON THE DIED LAYS, NOT THE UPDATED QNES. THEREFORE, DEITH HAST BE CALLED AGAIN. 200 CALL HATMISHILLERILLERILLERILLERILLERILLERILLERILLE	12	INITIONER CASE		LOIDABAN
IF THE VERTICAL FIXING WAS DONE, THEN THE GLANTITY THAT WE CALCHATE IN DOTT WOULD HAVE BEEN FLACED IN UP. IT IS BASED ON THE OLD UV'S, NOT THE UPDATED ONES. THEREFORE, DUTTHE OLD UV'S, NOT THE UPDATED ONES. THEREFORE, DUTHWIS BE CALLED AGAIN. 200 CALL HATMITHINGTHINGTHINGTHINGTHINGTHINGTHINGTHIN	13 .	DO THE BOTTOM ACCORDING TO EGN. 3,34 (INTERIOR LATERAL POINTS).	-	UVBND
IF I WE VERTICAL FIXING WAS DONE, THEN THE GUADALITY THAT WE CALCUMATE IN DETH WOULD HAVE BEEN FLACED IN 19. IT IS BASED ON THE OLD UV'S, NOT THE UPDATED ONES. THEREFORE, DETH MUST BE CALLED AGAIN. 200 CALL WITHTHISTELL'S PRINTE, JF 11 P. JF 12 P. JF 14 P. JF 15 P. JF 15 P. JF 15 P. JF 16	14		_	CVBND
11 15 BASED ON THE OLD UN'S, NOT THE DEGRED ONES,	12	IF THE VERTICAL FIXING WAS DONE, THEN THE DIANTITY THAT		FIXZOOA
11 15 MEER FORE, DESTRUCTION OF STANDARD O	•	WE CALLOCATE IN DELIN MULL IN HAVE BEEN PLANTED IN UV.	- •	F 1 X 201A
200 CALL HERMITEMI.JEMI.PEMI.JE.JE.PI.JEPI.JEPI. UWV.F.NGU(I.I.PE).FO.UELAZ.LI.D3.D9) D0 300 L=1.2 D0 300 L=1.2 D0 300 J=2.JEMI R0 300 J=2.JEMI 300 UWV(I.J.P.F.L)=UWV(I.J.PEMI.L) & D9(I.J.) NUM 101 INT 10F. WE SET TAU-SIGNA=TAU-Z. WE USE THE SURFACE CUNNITIONS ILLN. 3.310 FOK TAU-SIGNA. AND WE SOLVE EUNS. 3.19 FOK THE TELLINS ILLN. 3.310 FOK TAU-SIGNA. AND WE SOLVE EUNS. 3.19 FOK THE TELLIN 3.310 FOK TAU-SIGNA. AND WE SOLVE EUNS. WE WANT THAT THE TAY TO SET THE CURKECT P. LEVEL. SO WE MUST KETALCH ATT THE TO SET THE CURKECT P. LEVEL. SO WE MUST KETALCH ATT THE TO SET THE CURKECT P. LEVEL. SO WE MUST KETALCH ATT THE TO SET THE CURKECT P. LEVEL. SO WE MUST KETALCH ATT THE TO SET THE THE CURKECT P. LEVEL. SO WE MUST KETALCH ATT THE TO SET THE THE TO SET THE THE WIND STRESS IS ATT HAD 420 TO SET THE TO SET THE THE TO SET THE TO SET THE THE WIND STRESS IS ATT HAD 420 TO SET THE TO SET THE TO SET THE THE TO SET THE THE WIND STRESS IS ATT HAD 420 TO SET THE TO	18	I IN BASED ON THE UNIT OF STATE OF THE OFFICE ONES. THEREFORE DATA MISSI HE CALLED CONTROL	-	F0428B
200 CALL HATM(IFMI.JFMI.JFMI.JFMI.JFPI.JFPI.JFPI.JFPI.JFPI.JFPI.JFPI.JFP	16		-	F1X200A
EQ 300 L=1.2 EQ 300 L=1.2 EQ 300 L=1.2 EQ 300 J=2.JFM1 EQ 3.19 EQ 60 FQ 1.00		O CALL HEIM (IFM), UFM), FFM), IF, UF, FF, IFP1, UFP1	-	F292A
FO 300 1=2.1FM1 FM1.L) FM2.L) FM3.L) FM3.M)	21.			FOSSOA
EO 300 1=2.1FM1 10. 300 J=2.1FM1 300 U4V(1.J.) FM1.L.) # D9(1.J.) **NUM 10 10 10 10 10 10 10 10 10 10 10 10 10	52		- -	UVBND
10. 300 J-2.JFM1 300 J-2.JFM1 300 J-2.JFM1 300 J-2.JFM1 ** NUM 19 194 10F**, WE SET 174J-SIGMA=TAU-Z. WE USE THE SURFACE ** COMMITTIONS (LEW. 3.31) FOR TAU-SIGMA: AND WE SOLVE EUNS. 3.19 ** FOR THE 19ELTA-P 1990.** ** WE IMMITTIONS (LEW. 11. FOR THE CURRECT P LEVEL. SO WE MUST ** REFALCIA ATE 11. ** NUTE: 73 - 21- 73 - (2 a 22 - 23) BY EON. 3.25a. ** NUTE: 73 - 21- 73 - (2 a 22 - 23) BY EON. 3.25a. ** HO 450 1 1.2 HM1 ** HO 150 1 2.1 HM1 ** NUM 10 10 1.1 LM1 HM1 ** NUM 10 10 10 1.1 LM1 HM1 ** NUM 10 10 10 10 10 10 10 10 10 10 10 10 10	24	EO 300 1=2,1FM1		UVEND
SOU LEVOLUME THE TOP. WE SET TAU-SIGNA = T			_,	UVEND
MUNITURES (LIN. 3,31) FOR TAU-SIGNA, AND WE SOLVE EUNS. 3,19 FOR THE RELIAN UNV. WE HORYT HAVE LYERY I OF THE CORRECT F. LEVEL, SO WE MUST METALOU ARE 11. NOTE: 73 - 21-23 - (2 + 22 - 23) BY EON, 3,25A. SINCE THE MUNITURE APPLY A SINCE THE MUNICESTAL OF THE MUNICESTAL APPLY A SINCE THE MUNICESTAL APPLY APP	•		-	FIXZOIA
CONDITIONS (LUN, 3.31) FOR FAU-SIGHA, AND WE SOLVE EURS, 3.19 FOR THE DELIAN USV. WE WANT HAVE DESIGN DATE OF THE CORRECT P. LEVEL, SO WE MUST RECALCIA ATE 11. NOTE: 73 - 21 - 73 - (2 + 22 - 23) BY LON, 3.25A. SINCE THE WIND STRESS IS AT THE LINCURRECT TIME, APPLY A SINCE THE WIND STRESS IS AT THE AND J. 2.11 MILL HO 450 J. 2.11 MILL AND JOINT OF THE MILL AND JOINT OF T	# # 82 /7	NIN (m. 14 114 NE SET TOU-STONGETOUR), WE USE THE GLECTOR		LVBND
# FOR THE INCLINE USV. # HE HON'T PROVE 1/260-1 AT THE CURRECT P LEVEL, SO WE MUST # KETALCIALATE 11. # NOTE: 73 - 21: 23 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 23 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 23 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 23 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A. # NOTE: 73 - 21: 13 - (2 * 22 · 23) BY CON, 3,25A.	29	CONTO LIBRA (E.IM. 3.31) FOR TAU-SIGMA, AND WE SOLVE EUNS, 3.19		UVEND
## HON'T HAVE 1/2640 I AT THE CURRECT & LEVEL, SO WE MUST ## KETAL CULA ATE 11. ## NOTE: 73 - 21 - 23 - (2 * 22 - 23) BY CON. 3.25A. ## NOTE: 73 - 21 - 23 - (2 * 22 - 23) BY CON. 3.25A. ## NOTE: 73 - 21 - 23 - (2 * 22 - 23) BY CON. 3.25A. ## SINCE THE WIND STRESS IS ATE THE MINIT STRESS IS AT	30	FOR THE HELLA-P USV.	-	UVEND
# NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 21: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 71: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 71: 73 - (2 * 72 · 73) BY EUN. 3.256. *** NOTE: 73 - 71: 73 - (2 * 72 · 73) BY EUN. 3.256.	• • • • • • • • • • • • • • • • • • •			
NUTE: 73 - 215 73 - (2 \$ 72 - 73) BY EUN, 3,256. SINE THE MIND STRESS IS AT THE LIMITER. OFFLY A SIPELY CONDITION HG 450 1 1.2 HJ 470 1 2.1F PL ASO 148/(1.31.1.2) 118/(1.32.1.2)	***	TANK - MANE		LVBND
51N(F THE WIND STRESS IS AF THE MAINT STRESS IS AF THE INCIDENCE OF THE APPLY A SIME THE MAINT STRESS IS AF THE MAINT STRESS IS AF THE MAINT STRESS IS AF THE MAINTENCE OF THE M	*	Z1 = Z3 = (2 Z2 - Z3)		VENE
# 55.5 STREET HE WIND STREET OF THE LINCOKRECT OF THE INCORRECT OF THE INCORPORATION OF TH	38		-	UVBNE
# STPIC AND THE APPLY A STPIC AND THE APPLY	36 *		_	F1027C
16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 16 450 1.27 1.27 16 450 1.27 1.	37	THE INCINHEET THE APPLY A	_	F 1027C
HG 450 1 271FB1	900			F 1027C
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3		S. CONTINUE	F0112814	2
3	-		F011281A	
29	16	16 CONTINUE	F011281A	91
3	-		CVBVD	121
ş		DO 20 1=1,1F		122
2		U8V(1.1.K.L)=U8V(1.2.K.L)		2
7				124
72	۲	20 CONTINUE		R
23	•			126
7.	>****	2		127
ŗ		L=2		921
76		DO 30 L=2.LFM1		821
77		U6V(1, J.K, L) =U6V(2, J.K, L)	CABAD	061
78				131
79		30 CONTINUE		132
8	-		GNBAD	133
6		DD 40 1=1.1F		* E1
2		UBV(I.1.K.L) = - UBV(I.2.K.L)		9
3	;			9 1
3 8	₹ ,	40 CONTINUE		137
8 8	•			9 2
8 8	•	S LUNI INCE	0014030	5 "
8	• •	CONTROL OF	AC871801	٠ ٠
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: 6		CALL 181-31-1.	L081683A	. 01
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7	,	DQ 1000 K=1.KFH1	L081683A	12
ŗ	•		L081683A	E 1
96		CALL 25FT3(K+2)	L081683A	=
41		CALL KDEP2(K+1.1)	L081683A	ដ
₽ 8		LE ARE LUTBE INC AT WINE AT BOARDE TO GERALLY CORDING A LAND	1.0627838	" ∢
8	• «	MALE MANNEYS AND	L082983B	r 107
2	• •	USE DALY INTERNAL PDINTS:	L0829838	•
102	-		L082983B	^
103		IF (K+1 .EG. KF) GO TO 1000	1.082983B	a ;
2	•	your tour	1001883A	
3 2		- Litary	L081683A	. 6
3	•			!

RSION	5.27	LISTING OF DECK UVBND	02/15/84	PAGE 3
107		IF (FLUXIN(1) .EQ. 0.) GO TO 190	L081683A	61
8	-		L020384A	ď
8	•	I AT EDGE SHOULD REALLY BE 1.5, BUT ALL DUANTITIES ARE	L020384A	•
2	•	SYMMETRIX, SO WE CAN USE 1=2	L020384A	'n
111	•		L020384A	•
112		1=2	L020384A	^
113	•		L021384B	m
=			L021384B	•
12		DO 105 Lin 34	L021384B	n
116		~	L0213848	•
117	50	D2(1,J)=260THH(1,J) - 2BARK(1,J,1)	L021384B	7
118	-		L021384B	æ
119			L021384B	0-
2			L021384B	91
121		D1(1, 1)=(1(1, 1) + 1.	L021384B	=
22	110	D2(1,J)=D2(1,J) # CON	L021384B	12
123	•		L021384B	13
124	,	IF (DINFLS(1) .GT. 1.E10) GO TO 119	L021384B	+ !
Ç			10213848	13
126			L0213848	16
127		D5(1,J)=DINFLS(1) = ZBGRK(1,J,2)	L021384B	17
8 2	112	D6(I,J)=DINFLS(1) + 2BARK(I,J,2)	L0213845	8
2	•		L021384B	6
8		00 114 Cell Ce	L021384B	20
131	=	De(I:J) * D1(I:J)	L021384B	21
132	•		L021384B	22
<u> </u>		DO 116 J=1.JF	L021384B	23
134	116	01(1.1) *05(1.1) / 06(1.1)	L021384B	56
53		60 10 122	L021384B	22
9 E1	•		L021384B	39
137	119	CONTINUE	L021384B	27
85		DO 120 J=1, JF	L0213846	5 8
139	120	D1(I,J)=1. / D1(I,J)	L021384B	54
40	122	CONTINUE	L021384B	8
141	-		L020384A	12
142		DD 130 J=1,JF	L020384A	22
143			L020384A	23
141	130	D4(1,J) = D1(1,J) + D2(1,J)	L020384A	24
145	-		L020384A	22
146		DO 140 J=1,JF	L020384A	26
147	140) D3(1,J) = D3(1,J) / D4(1,J)	L020384A	22
148	•		L020384A	78
149		CON=2. # FLUXIN(1) # (1EXP(-FLDAT(ISTP)/30.))	L020384A	&
8		DO 150 J=1.JF	L020384A	ද
151	S.) D3(I,J) =D3(I,J) ¢ CON	L020384A	ñ
152	-		L020384A	35
53		DO 160 J=1.JF	L020384A	33
<u> </u>	091) U\$V(1,J,1,1)=63(1,J) - U\$V(2,J,1,1)	L020384A	e e
55	-		L020384A	: 22 22
9	190	190 CONTINUE	L081683A	ឧ
è			WEB91807	7 8
	• •	EAST EULE	PC01001	4 5
3	•	IF CENTRINGS ED O S GD TO 290	1.081.6836	2 2
161	•		L081683A	i,
162	-	I AT FERS SHOWN BEALTY BE LEWS, BUT ALL DIABNITIES ARE	L081683A	56
163	*	SYMMETRIX, SO WE CAN USE 1=1F-1	L081683A	27
164	-		L081683A	5 8

	1=1FH1	L0816838 L0213848
COMPL. DINECLE)	CON=1. / DINFL(2) DIO 205 J=1.JF DIO 205 J=1.JF DIO (1.J)=2B0THH(1.J) - ZBARR CON=1. / DBOTBL(2) DIO 210 J=1.JF DI(1.J)=DI(1.J) + 1. DZ(1.J)=DI(1.J) + 1. DZ(1.J)=DZ(1.J) + 1. DI(1.J)=DI(1.J) + 1. DIO 212 J=1.JF DIO 214 J=1.JF DI(1.J)=DI(1.J) + DI(1.J) CONTINUE DI (1.J)=1.JF DI 220 J=1.JF	LOZI384B LOZI384B
DO 210 - 11 - 120 FERTILL 2) & COMPLET CO. 2004FERTILL 3) & COMPLET CO. 20	DD 205 Jainer (1.0) = 2804R(11.0) = 2804R(11	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
DITION = SAMERITY 1.0.2.7 a CDM DITION = SAMERITY 1.0.2.7 a CDM DITION = SAMERITY 1.0.2.7 a CDM DITION = DITION 1.0.2.7 a	DI (1.J.) = ZBARK (1.J.2) & CON DZ (1.J.) = ZBARK (1.J.2) & CON DZ (1.J.) = DY (1.J.) + 1. DZ (1.J.) = DZ (1.J.) & CON IF (DINFLE(2) .GT. 1.E10) (DD 212 J=1.JF DD 214 J=1.JF DD 214 J=1.JF DD 214 J=1.JF DD 214 J=1.JF DD 216 J=1.JF DD 216 J=1.JF DD 220 J=1.JF DD 230 J=1.JF DD 230 J=1.JF DD 230 J=1.JF DD 230 J=1.JF DD 240 J=1.JF DD 240 J=1.JF DD 240 J=1.JF DD 250 J=1.JF DD 260 J=1.JF DD	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
Delicity	CON-1. / DBOTBL (2) DD 210 -1.1.F (2) DD 210 -1.1.F (2) DD 210 -1.1.F (2) DD 210 -1.1.F (2) DD 212 -1.1.F (2) DD 212 -1.1.F (2) - ZBARK (2) DD 214 -1.1.F (2) - ZBARK (3) DD 214 -1.1.F (2) - ZBARK (3) DD 210 -1.1.F (2) DD 2	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
Color	CON-1. / DBOTBL(2) DD 2101.JF D1(1.J)=D1(1.J) + 1. D2(1.J)=D2(1.J) + 1. D2(1.J)=D1(1.J) + 1. D2(1.J)=D1(1.J) + 1. DD 212 J=1.JF D6(1.J)=D1NFLS(2) - 2BARK(1) D6 214 J=1.JF D6(1.J)=D1NFLS(2) - 2BARK(1) D6 214 J=1.JF D6(1.J)=D1NFLS(2) - 2BARK(1) D6 214 J=1.JF D1(1.J)=D1NFLS(2) - 2BARK(1) D1 220 J=1.JF D1(1.J)=D1(1.J) + D1(1.J) CONTINUE D1 220 J=1.JF D1 230 J=1.JF D1 240 J=1.JF	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
COMPANY COMP	CON=1. / DBOTBL(2) DD 210 J=1.JF D1(1.J)=D2(1.J) + 1. D2(11.J)=D2(1.J) + 1. D2(11.J)=D2(1.J) + CON IF (DINFLS(2) - GT. 1.E10) (DD 212 J=1.JF D6(1.J)=D1NFLS(2) + ZBARK() D6(1.J)=D1NFLS(2) + ZBARK() D6(1.J)=D6(1.J) + D1(1.J) D0 214 J=1.JF D1(1.J)=D5(1.J) / D6(1.J) D0 220 J=1.JF D1(1.J)=D1(1.J) + D2(1.J) CONTINUE D0 220 J=1.JF D1(1.J)=D1(1.J) + D2(1.J) CONTINUE D0 230 J=1.JF D1(1.J)=D1(1.J) + D2(1.J) CONTINUE D0 240 J=1.JF D1 240 J=1	L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B
CONTINUE	CONTINUE DD 240 J=1, JE DD 210 J=1, JE DD 210 J=1, JE DD 212 J=1, JE DS (1,J) = D1 (1,J) + 1, DD 212 J=1, JE DS (1,J) = D1 (1,J) = D1 (1,J) DD 214 J=1, JE DD 214 J=1, JE DD 214 J=1, JE DD 214 J=1, JE DD 216 J=1, JE DD 220 J=1, JE DD 240 J=1	L0213848
DE 210	DD 210 J=1.JF D1(11.J)=D1(11.J) + 1. D2(11.J)=D1(11.J) & CON IF (D1NFLB(2) .GT, 1.E10) (DD 212 J=1.JF D5(1.J)=D1NFLB(2) + 2BARK(1) D6 214 J=1.JF D6 (1.J)=D6 (1.J) & D1(1.J) D0 216 J=1.JF D1(1.J)=D6 (1.J) & D1(1.J) D0 216 J=1.JF D1 (1.J)=D1 (1.J) & D2(1.J) CONTINUE D0 220 J=1.JF D1 (1.J)=D1 (1.J) & D2(1.J) CONTINUE D0 230 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 250 J=1.JF D0 240 J=1.JF D0 250 J=1.JF D0 250 J=1.JF D0 250 J=1.JF D0 260 J=1.JF D0 260 J=1.JF D0 260 J=1.JF S0 D4(1.J)=D3(1.J) & CON D0 250 J=1.JF S0 D4(1.J)=D3(1.J) & CON D0 250 J=1.JF S0 D4(1.J)=D3(1.J) & CON D0 250 J=1.JF S0 D4(1.J)=D3(1.J) & CON D1 260 J=1.JF S0 D4(1.J) = D	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
Diff.i.d) = Diff.i.d) = CON Diff.i.d) = CON Diff.i.d) = CON Diff.i.d) = Diff.i.d) = CON Diff.i.d) = Diff.i.d	1F (DINFLS(2) .GT. 1.E10) (D2(1.J) = D2(1.J) = CON 1F (DINFLS(2) .GT. 1.E10) (D2 212 J=1.JF D6(1.J) = DINFLS(2) + ZBARK() D6 214 J=1.JF D6 214 J=1.JF D6 215 J=1.JF D6 215 J=1.JF D7 222 CONTINUE D7 222 CONTINUE D8 220 J=1.JF D9 220 J=1	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
DECIT.JP.DZ(I.J.) # COM CONTINUE CONTIN	D2(1.J)=D2(1.J) & CON IF (DINFLS(2) .GT, 1.E10) (D0 212 J=1.JF D5(1.J)=D1NFLS(2) - ZBARK(D6(1.J)=D1NFLS(2) + ZBARK(D6(1.J)=D1,JF D0 214 J=1.JF D1(1.J)=D2(1.J) & D1(1.J) D0 216 J=1.JF D1(1.J)=1. / D1(1.J) CONTINUE D0 220 J=1.JF D1(1.J)=1. / D1(1.J) CONTINUE D0 230 J=1.JF D1(1.J) + D2(1.J) CONTINUE D0 250 J=1.JF D0 260 J=1.JF D0 260 J=1.JF D0 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D1 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D2 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D2 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D2 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D2 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = D3(1.J) - UN D3 260 J=1.JF S0 D3(1.J) = UN D3 260 J=1.JF S0 D3(1.J) = UN D3 260 J=1.JF S0 D3(1.J) = UN D3 260 J=1.JF S0 D3 UN D3 260 J=1.JF	L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B
F (DINFES(2) .GT .LE(0) GD TG 219 CG213848 DD 212 J=1.F DD 214 J=1.F DD 215 J=1.F DD 215 J=1.F DD 225 J=1.F DD 225 J=1.F DD 225 J=1.F DD 226 J=1.F DD 226 J=1.F DD 227	IF (DINFLS(2) .GT, 1.E10)	L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B
		LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B LO21384B
DD 212 J=1.JF DG 212 J=1.JF DG 212 J=1.JF DG 213 J=1.JF DD 212 J=1.JF DG 214 J=1.JF DD 212 J=1.JF DD 213 J=1.JF DD 214 J=1.JF DD 215	DO 212 J=1.JF D5(1.J)=DINFLS(2) - ZBARK(D6(1.J)=DINFLS(2) + ZBARK(D6(1.J)=DINFLS(2) + ZBARK(D6(1.J)=D6(1.J) * D1(1.J) DO 214 J=1.JF D1(1.J)=D5(1.J) / D6(1.J) DO 216 J=1.JF D1(1.J)=1. / D1(1.J) D1 222 CONTINUE D230 J=1.JF D1(1.J) * D2(1.J) D0 240 J=1.JF D1(1.J) * D3(1.J) + D2(1.J) D1(1.J) * D1(1.J) * D3(1.J) D1(1.J) * D1(1.J) * D3(1.J) D1(1.J) * D1(1.J) * D3(1.J) * D3(1	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
DG 214 July 215 July	DD 212 J=1.JF DD 214 J=1.JF Db (1:J)=DINFLE(2) - 2BARK(Db (1:J)=DINFLE(2) + 2BARK(DD 214 J=1.JF Db (1:J)=Db (1:J) # D1 (1:J) DD 216 J=1.JF D1 (1:J)=D5 (1:J) / Db (1:J) DD 210 J=1.JF D1 (1:J)=D1 (1:J) DD 220 J=1.JF DD 230 J=1.JF DD 240 J=1.JF DD 250 J=1	LO213848 LO213848 LO213848 LO213848 LO213848 LO213848 LO213848 LO213848 LO213848
D6(1.J)=D1WELE(2) = ZBARK(11.J.2) D6(1.J)=D1WELE(2) = ZBARK(11.J.2) D6(1.J)=D4(1.J) D6(1.J)=D4	D5(1.J)*DINFLS(2) - ZBARK(D6(1.J)*DINFLS(2) + ZBARK(D0 214 J=1.JF D6(1.J)*D6(1.J) * D1(1.J) D0 216 J=1.JF D1(1.J)*D5(1.J) / D6(1.J) G0 T0 222 CONTINUE D0 220 J=1.JF D1(1.J)*D1(1.J) * D2(1.J) CONTINUE D0 230 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 250 J=1.JF D0 260 J=1	L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B
D6(1.J)=D1MFLB(S) + ZBMPK(11.J.) 10213848	Do 214 J=1.JF Do 214 J=1.JF Do (1.J)=D6(1.J) # D1(1.J) DO 216 J=1.JF D1(1.J)=D6(1.J) / D6(1.J) D1 222 CONTINUE D2 220 J=1.JF D1 220 J=1.JF D2 230 J=1.JF D3 240 J=1.JF D4 250 J=1.JF D5 240 J=1.JF D6 240 J=1.JF D7 240 J=1.JF D8 240 J=1.JF D9 240 J	L021384B L021384B L021384B L021384B L021384B L021384B L021384B L021384B
DO 214 July E DICCI 3848 DOCUMINALE DO 214 July E DICCI 3848 DO 10 ZZZ DO	DO 214 J=1.JF DO 216 J=1.JF DI (1.J) =D6(1.J) # D1(1.J) DO 216 J=1.JF DI (1.J) =D5(1.J) / D6(1.J) DO 220 J=1.JF DI (1.J) =1. / D1(1.J) DO 220 J=1.JF DO 230 J=1.JF DO 240 J=1.JF DO 240 J=1.JF DO 250	L021384B L021384B L021384B L021384B L021384B L021384B L021384B
DD 214 Juli, Jr DD 216 Juli, Jr DD 216 Juli, Jr DD 216 Juli, Jr DD 216 Juli, Jr DD 217 Juli, Jr D22 Juli, Jr Jul	DO 214 J=1.JF DO 214 J=1.JF DO 215 J=1.JF DI (1.J)=D5(1.J) / D6(1.J) DO 10 222 CDNTINUE DO 220 J=1.JF DO 230 J=1.JF DO 230 J=1.JF DO 240 J=1.JF SOUTH EDGE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMWETKIX. SO WE CAN USE	L0213848 L0213848 L0213848 L0213848 L0213848 L0213848
DO 210 = 1. F	DO 216 J=1.JF DO 226 J=1.JF DO 10 222 CONTINUE DO 220 J=1.JF DO 230 J=1.JF DO 230 J=1.JF DO 240 J=1.JF DO 240 J=1.JF DO 240 J=1.JF DO 250 JP DO 25	L021384B L021384B L021384B L021384B L021384B
DO 216 J=1.JF DO 220 J=1.J	DO 216 J=1.JF D1 (1.J) =D5 (1.J) / D6 (1.J) D0 10 222 CONTINUE D0 220 J=1.JF D1 (1.J) =1. / D1 (1.J) D0 230 J=1.JF D0 230 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 250 J=1.JF D0 260 J=1.JF D0 260 J=1.JF S0 UBV(IF.J.K.1) = D3 (1.J) - UBV D1 260 J=1.JF S0 UBV(IF.J.K.1) = D3 (1.J) - UBV D1 260 J=1.JF S0 UBV(IF.J.K.1) = D3 (1.J) - UBV D1 260 J=1.JF SOUTH EDGE IF (FLUXING) .EQ. 0.) G0 II J AT EDGE SHOALD REALLY BE SYMMETRIX. S0 UBC CAN USE	L021384B L021384B L021384B L021384B L021384B
DO 216 -1.1.F DO 10.10.b=10.f(1.J.)	DD 216 J=1.JF D1 (1.J) = D5 (1.J) / D6 (1.J) D0 10 222 CDNTINUE D0 220 J=1.JF D1 (1.J) = 1. / D1 (1.J) CDNTINUE D0 230 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 240 J=1.JF D0 250 J=1.JF D0 260 J=1.JF D0 260 J=1.JF D1 260 J=1.JF D2 260	L021384B L021384B L021384B L021388
DO 220 J=1.JF DO 220	D1 (1. J) = D5 (1. J) / D6 (1. J) GD T0 222 CONTINUE D1 220 J=1,JF D1 (1. J) = 1. / D1 (1. J) CONTINUE D2 230 J=1,JF D3 (1. J) = D1 (1. J) + D2 (1. J) D6 240 J=1,JF D7 240 J=1,JF D8 240 J=1,JF D8 240 J=1,JF D8 240 J=1,JF D9 250 J=1,JF O D3 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D4 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 250 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 260 J=1,JF O D9 (1. J) = D3 (1. J) - U6N D9 2	L021384B L021384B L021384B
CONTINUE	GD TD 222 CONTINUE DD 220 J=1,JF D1(1,J)=1. / D1(1,J) D1(1,J)=1. / D1(1,J) D2 20 J=1,JF D3 (1,J)=D1(1,J) + D2(1,J) D3 (1,J)=D1(1,J) + D2(1,J) D3 (240 J=1,JF D3 (24) J=1,JF D3 (250 J=1,JF D3 (250 J=1,JF D4 (250 J=1,JF D5 (250 J=1,JF D6 (250 J=1,JF D7 (250 J=1,JF D7 (250 J=1,JF D7 (250 J=1,JF D8 (250 J=1,JF D9 (250 J=1,JF	L021384B L021384B
CONTINUE	CONTINUE DD 220 J=1.JF D1 (1.J)=1. / D1 (1.J) CONTINUE DD 230 J=1.JF DD 240 J=1.JF DD 240 J=1.JF 40 D3(1.J)=D1 (1.J) + D2(1.J) DD 240 J=1.JF 50 D3(1.J)=D3(1.J) + D2(1.J) CON=2. 8 FLUXIN(2) 8 (1E) DD 250 J=1.JF 50 D3(1.J)=D3(1.J) + CON DD 260 J=1.JF 50 D3(1.J)=D3(1.J) - USV CONTINUE SQUITH EDGE IF (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHQUED REALLY BE SYMMETKIX. SO WE CAN USE	L021384B
DO 220 J=1.JF DO 120 J=1.J	CONTINUE DO 220 J=1.JF DO 11(1,J)=1. / D1(1,J) CONTINUE DO 230 J=1.JF DO 240 J=1.JF DO 240 J=1.JF DO 240 J=1.JF DO 250 J=1.JF DO 250 J=1.JF SO D3(1,J)=D3(1,J) p CON DO 250 J=1.JF SO D3(1,J) p CON DO 250 J=1.JF DO 2	
DO 220 Li,LF	DO 220 J=1,JF DO 11.J)=1. / D1 (1.J) CONTINUE DO 230 J=1,JF B3(1,J)=D1(1,J) + D2(1,J) DO 240 J=1,JF DO 240 J=1,JF CON=2, # FLUXIN(2) # (1,-E) DO 250 J=1,JF SO D3(1,J)=D3(1,J) + D2(1,J) DO 260 J=1,JF SO D3(1,J)=D3(1,J) - UW DO 260 J=1,JF SO UBV(1F,J,K,1)=D3(1,J) - UW SO CONTINUE SOUTH EDGE IF (FLUXIN(3) ,EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMMETKIX, SO WE CAN USE	L021384B
DO 1.0	DD (11.J)=1. / D1(1.J) CONTINUE DD 230 J=1.JE DD 240 J=1.JE ND 240 J=1.JE ND 240 J=1.JE ND 250 J=1.JE ND 260 J=1.JE ND 260 J=1.JE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE SYMMETRIX, SO WE CAN USE	L0213848
CONTINUE LO21384B LO230 J=1,JF DD 230 J=1,JF DD 230 J=1,JF DD 240 J=1,JF LO81683A DD 250 J=1,JF LO81683A DD 250 J=1,JF DD 250 J=1,JF LO81683A LO81683A LO81683A J AT EDGE SHOLL DREALY BE 1.5. BUT ALL (MANTITIES ARE LO81683A J AT EDGE SHOLL DREALY BE 1.5. BUT ALL (MANTITIES ARE LO81683A LO81683	CONTINUE DD 230 J=1.JF D3 D4(1.J)=D1(1.J) # D2(1.J) DD 240 J=1.JF OD 240 J=1.JF OD 250 J=1.JF SO D3(1.J)=D3(1.J) / D4(1.J) CON=2. # FLUXIN(2) # (1E) DD 250 J=1.JF SO D3(1.J)=D3(1.J) # CON DD 250 J=1.JF SO U0V(1F.J.K.1)=D3(1.J) - U\$N OD CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMMETRIX. SO WE CAN USE SYMMETRIX. SO WE CAN USE	L021384B
DO 230 J=1.JF DO 240 J=1.JF DO 140 J=24 J=1.JF DO 140 J=24 J=2	DO 230 J=1.JF DO 130 J=1.JF DO 1401.J) # D2(1.J) DO 240 J=1.JF DO 240 J=1.JF DO 250 J=1.JF DO 260 J=1.JF SO D3(1.J) = D3(1.J) # CON DO 260 J=1.JF SOUTH EDGE SOUTH EDGE J AT EDGE SHOULD REALLY BE SYMMETRIX. SO WE CAN USE SYMMETRIX. SO WE CAN USE	L021384B
DO 230 J=1.JF DO 230 J=1.JF DO 130 D=1.JF LOB1683A L	DO 230 J=1,JF DO 240 J=1,JF 240 D4(1,J)=D1(1,J) + D2(1,J) DO 240 J=1,JF 240 D3(1,J)=D3(1,J) / D4(1,J) COM=2, # FLUXIN(2) # (1,-E) DO 250 J=1,JF 250 D3(1,J)=D3(1,J) + CON DO 260 J=1,JF 260 U49V(1F,J,K,1)=D3(1,J) - U4V SQUITH EDGE IF (FLUXIN(3) , EQ, 0,) GO J AT EDGE SHUALD REALLY BE SYMMETRIX, SO WE CAN USE	L081683A
230 D4(11.J) = D2(11.J) 230 D4(11.J) = D1(11.J) = D2(11.J) 230 D4(11.J) = D1(11.J) = D2(11.J) 240 D4(11.J) = D1(11.J) 250 D4(1.J) = D3(11.J) 250 D3(11.J) = D3(11.J) 260 U0V(1F.J.K.1) = D3(11.J.K.1) 260 U0V(1F.J.K	230 D4(1,J)=D1(1,J) + D2(1,J) 230 D4(1,J)=D1(1,J) + D2(1,J) 240 D3(1,J)=D3(1,J) / D4(1,J) CDN=2, 8 FLUXIN(2) 8 (1,-E) D0 250 J=1,JF 250 D3(1,J)=D3(1,J) 0 CDN D0 260 J=1,JF 260 U0V(1F,J:K:1)=D3(1,J) - U0V 270 CONTINUE SQUITH EDGE IF (FLUXIN(3) ,EQ. 0.) GO J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	L081683A
230 D4(I.J) = D1(I.J) + D2(I.J) 240 D2(I.J) = D1(I.J) / D4(I.J) 240 D3(I.J) = D3(I.J) / D4(I.J) 250 D3(I.J) = D3(I.J) / D4(I.J) 260 UWV(IF.J.K.1) = D3(I.J) - U4V(IFM1.J.K.1) 260 U4V(IF.J.K.1) = D3(I.J.K.1) 260 U4V(IF.J.K.1) = D3(I.J.K.1) 260 U4V(IF.J.K.1) = D3(I.J.J.K.1) 260 U4V(IF.J.K.1) = D3(I.J.J.K.1) 260 U4V(IF.J.K.1) = D3(I.J.J.K.1) 270 C0NT WE 270 C0NT	230 D4(1,J)=D1(1,J) + D2(1,J) 240 D2 240 J=1,JF 240 D3(1,J)=D3(1,J) / D4(1,J) CD04-2, # FLUXIN(2) # (1,-E) D0 Z50 J=1,JF Z50 D3(1,J)=D3(1,J) # CDN D0 Z60 J=1,JF 240 CDNTINUE SQUTH EDGE IF (FLUXIN(3) ,EQ, 0,) GQ J AT EDGE SHOULD REALLY BE SYMMETRIX, SQ WE CAN USE	L0816B3A
240 DB 240 J=1.JF 240 DB 241 J=1.JF 240 DB 241 J=1.JF 240 DB 241.JF 240 DB 241.JF 250	240 B3(1,J)=B3(1,J) / D4(1,J) CDW=2, 8 FLUXIN(2) 8 (1,-E) D3 250 J=1,JF 250 B3(1,J)=B3(1,J) 8 CDN D0 260 J=1,JF 260 UWV(IF,J-K,1)=B3(1,J) - UW 290 CONTINUE SQUTH EDGE IF (FLUXIN(3) ,EQ, 0,) GD J AT EDGE SHWALD REALLY BE SYMMETRIX, SO WE CAN USE	AE84180
240 D3 240 J=1.JF 240 D3(1.J)=D3(1.J) / D4(1.J) 250 D3(1.J)=D3(1.J) / D3(1.J) 260 U4V(1F.J.K.1)=D3(1.J) - U4V(1FN1.J.K.1) 260 U4V(1F.J.K.1)=D3(1.J) - U4V(1FN1.J.K.1) 260 U4V(1F.J.K.1)=D3(1.J) - U4V(1FN1.J.K.1) 260 U4V(1F.J.K.1)=D3(1.J) - U4V(1FN1.J.K.1) 270 CONTINUE 270	240 D3 (1,J) = D3 (1,J) / D4 (1,J) CDN=2, 8 FLUXIN(2) 8 (1,-E) D0 250 J=1,JF 250 D3 (1,J) = D3 (1,J	L081683A
240 B3(I.J) = D3(I.J) / D4(I.J) (1081683A 1081683A 108168	240 B3(1,J)=B3(1,J) / D4(1,J) CDW=2, # FLUXIN(2) # (1,-E) DD 250 J=1,JF 250 B3(1,J)=B3(1,J) # CDN DD 260 J=1,JF 260 U#V(IF,J:K,1)=B3(1,J) - U#N 290 CDNTINUE SQUTH EDGE IF (FLUXIN(3) ,EQ, 0,) GQ J AT EDGE SHOULD REALLY BE SYMMETRIX, SQ WE CAN USE	AE841801
LOBIGESAN DO 250 J=1.JF DO 250 J=1.JF 250 D3(1.J) 0 CON DO 250 J=1.JF LOBIGESAN LOBIGESAN DO 250 J=1.JF LOBIGESAN LOSISBAN LOZISBAN LOBIGESAN LOBIG	COW=2. # FLUXIN(2) # (1E) DD 250 J=1.JF 250 D3(1.J)=D3(1.J) # CON DD 260 J=1.JF 260 UBV(IF.J.K.1)=D3(1.J) - UBV 290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD J EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	L081683A
CON=2. & FLUXIN(2) & (1EXP(-FLOAT(ISTP)/30.)) DO 250 J=1.JF 250 D3(1.J) = D3(1.J) & CON DO 250 J=1.JF LOBI6B3A LOBI6B3A LOBI6B3A 290 CONTINUE 290 CONTINUE SOUTH EDGE SOUTH EDGE J AT EDGE SHOULD REALLY BE 1.5, BUT ALL («UANTITIES ARE SYMMETRIX. SO WE CAN USE J = ? LOBI6B3A LOBI6B3	COM=2. # FLUXIN(2) # (1E) DD 250 J=1.JF 250 D3(1.J)=D3(1.J) # CON DD 260 J=1.JF 260 UNV(IF.J.K.1)=D3(1.J) - UN 290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD I J AT EDGE SHUMED REALLY BE SYMMETRIX, SO WE CAN USE	L081683A
DD 250 J=1.F 250 D3(1,J) = D3(1,J) e CON DD 260 J=1.F 260 UBV(IF,J,K,1) = D3(1,J) - UBV(IFM1,J,K,1) 260 UBV(IF,J,K,1) = D3(1,J) - UBV(IFM1,J,K,1) 270 CONTINUE SOUTH EDGE SOUTH EDGE J AT EDGE SHOULD REALLY BE 1.5, BUT ALL (HUANTITIES ARE 1081683A J AT EDGE SHOULD REALLY BE 1.5, BUT ALL (HUANTITIES ARE 1081683A 1081883A 1081883A 1081883A 1081883A 1081883A 1081883A 1081883A	250 D3(1,J)=D3(1,J) 0 CDN D0 260 J=1,JF 260 U0V(IF,J-K,1)=D3(1,J) - U0N 290 CDNTINUE SQUTH EUGE IF (FLUXIN(3) ,EQ, 0,) GD J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	081691
250 D3(I.J) = D3(I.J) = D4 (I.J) = D4 (I.J) = D4 (I.J) = D3 (I.J) = D4 (I.J) = D4 (I.J) = D3 (I.J) = D4 (I.J) = D3 (I.J) = D4 (I.J)	250 D3(1,J)=D3(1,J) 0 CON D0 260 J=1,JF 260 U0V(IF,J:K:1)=D3(1,J) - U0V 290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GO J AT EDGE SHOWED REALLY BE SYMMETRIX, SO WE CAN USE	45.87 100 1
100 100	200 UNV(IF.J.K.1)=US(I.J) = LUN 200 UNV(IF.J.K.1)=US(I.J) = US(290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GO J AT EDGE SHUMED REALLY BE SYMMETRIX, SO WE CAN USE	VC071001
DD 260 J=1.JF 260 U@V(IF,1.J.K.1) = D3(I.J) - U@V(IFM1.J.K.1) 260 U@V(IF,1.J.K.1) = D3(I.J) - U@V(IFM1.J.K.1) 290 CONTINUE SQUTH EDGE SQUTH EDGE SQUTH EDGE IF (FLUXIN(3), ED, 0.) GD TU 390 J AT EDGE SHOULD REALLY BE 1.5, BUT ALL (4JANTITIES ARE SYMMETRIX, SQ WE CAN USE J = ? LOB1683A LOB1683A LOB1683A LOB1683A LOS1384B LOZ1384B LOZ1384B LOZ1384B	DD 260 J=1.JF 260 UGV(IF.J.K.1)=D3(I.J) - UGV 290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD I J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	WCG1201
DU 260 J=1F 270 CONTINUE 1081683A	DU 260 J=1.JF 260 UGV(IF.J.K.1)=B3(I,J) - UGV 290 CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GO J AT EDGE SHOULD REALLY BE SYMMETKIX, SO WE CAN USE	ACRO INC.
240 UBV(IF.J.K.1)=D3(I.J) - UBV(IFNI.J.K.1) 290 CONTINUE 290 CONTINUE SOUTH EDGE SOUTH EDGE SOUTH EDGE SOUTH EDGE SOUTH EDGE SOUTH EDGE LOGIGB3A	240 UBV(1F.J.K.1)=D3(1,J) - UBV 270 CONTINUE SOUTH EDGE 1F (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	WEB91807
CONTINUE	290 CONTINUE SOUTH EUGE IF (FLUXIN(3), EQ, 0,) GD J AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	WEB91807
CONTINUE CONTINUE CONTINUE SOUTH EDGE LOGIGB3A LOGIGB4B LOGIGBAB LOGIGBBAB LOGIGBBABBAB LOGIGBBABBABBABBABBABBABBABBABBABBABBABBABBA	CONTINUE SOUTH EDGE IF (FLUXIN(3) .EQ. 0.) GD J AT EDGE SHOULD REALLY BE SYMMETKIX, SO WE CAN USE	L081683A
LOBIGE3A	NTH EDGE : (FLUXIN(3) .EQ. 0.) GO AT EDGE SHOULD REALLY BE SYMMETKIX, SO WE CAN USE	L081683A
TH EDGE LOBIGESA (FLUXIN(3) .EQ. 0.) GD TU 390 LOBIGESA LOBIGE	NJTH EDGE (FLUXIN(3), EQ, O,) GD AT EDGE SHOULD REALLY BE SYMMETRIX, SO WE CAN USE	L081683A
FLUXIN(3) , EQ. 0,) GD TU 390	(FLUXIN(3) ,EQ, O,) GD AT EDUE SHAULD REALLY BE SYMMETRIX, SD WE CAN USE	WE891807
TEDUX N	FLUXIN(3) , EQ. 0.) GD AT EDGE SHILLD REALLY BE SYMMETKIX, SD WE CAN USE	L081683A
EDUKE SHOULD REALLY BE 1.5, BUT ALL (WANTITIES ARE LOBIGB3A	AT EDGE SHOULD REALLY BE SYMMETRIX: SO WE CAN USE	PE891807
T EDGE SHOWLD REALLY BE 1.5, BUT ALL (WANTITIES ARE LOBIGE3A YMMETRIX, SO WE CAN USE J = ? 1081683A 1081888 1081888 1081888 1081888	AT EDGE SHUM D REALLY BE SYMMETRIX: SO WE CAN USE	
TOTAL INIX. SU ME LAN USE J = 7. 1081683A 1081684B 1081884B 1081884	1 	
C0118634	-	WEB9180 1
1.0816834 1.0713848 305 1=1.1F 1.01=2868 (1.4.2) # CON		HC891801
(3) L0213848 L021388 L0213848 L0213848 L0213848 L0213848 L0213848 L0213848	Z=0	M5891801
(3.) LOSISATE (2.1.3.2) E.CON (2.1.3.2) E.CON (2.1.3.3.4.8)	The state of the s	8400.00.
10.1.35 # CON	20 20 11 E	97901001
	10 July 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00.120J

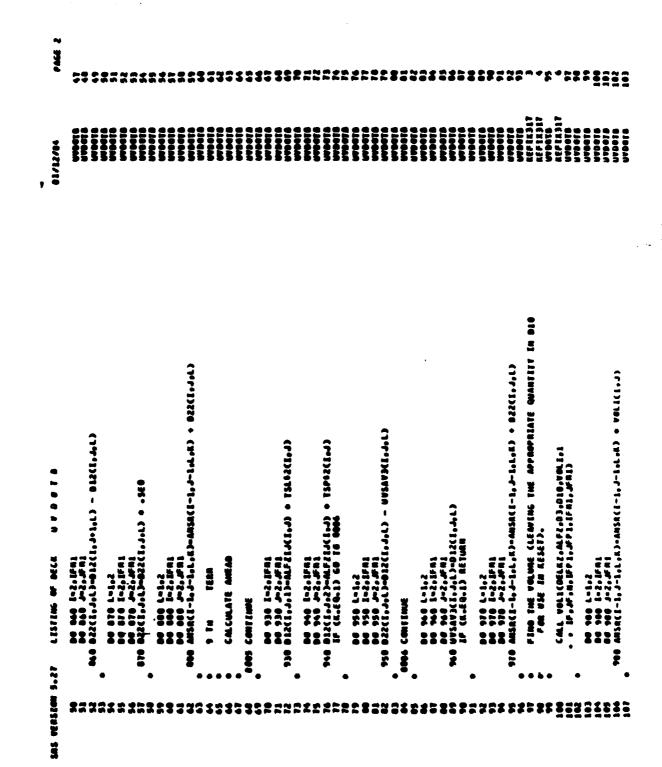
SMS VERSION 5.27

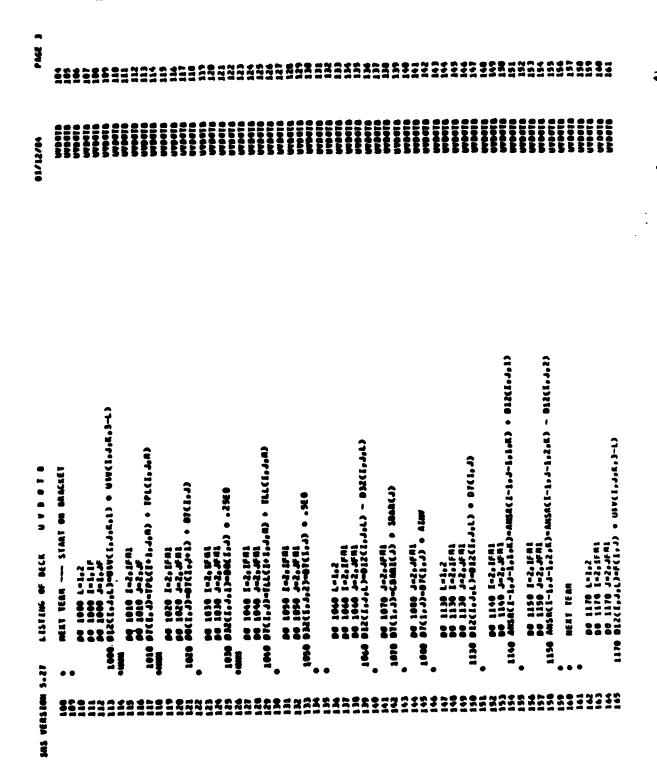
SMB VERSION	5.27	LISTING OF DECK UVBND	02/15/84	PAGE
223	908	D2(1,J)=7801HH(1,J) - 7806K(1,J,2)	L021384B	6
22	•		L021384B	3
2		CON=1. / DBO(BL(3)	L0213848	67
22 6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10213848	3 9
2	6	•	10213848	6 6
28) 	•	10213048	?;
2	,	15 (01145) 5(3) 67 1 510) 60 TO 210	0213048	: 2
ន	-		1 021384B	73
232	•	DO 312 [#1.]F	1 021384B	2
233		DS(1,4) = D1NFLS(3) = 28ABX(1,4,2)	L021384B	27
25	312		1.021384B	7
22	-		L021384B	77
236			L021384B	78
737	314	D6(1.J) = D6(1.J) = D1(1.J)	L021384B	7
	-	:	L021384B	8
57	214	DOLL TO THE TOTAL THE TOTAL TO THE TOTAL TOT	10213848	3 6
241	,	(D) 11 322	1 021384B	£
242			L021384B	ď
243	319	CONTINUE	L021384B	8
244		DO 320 1=1.16	L021384B	2
245	320	D1(1,J)=1, / D1(1,J)	L0213848	187
246	322	CONT INLE	L021384B	8
247	-		L081683A	8
24B			L081683A	85
249		D3(1.3)=D1(1.3)	LOBIEBIA	
i i	8	D4(1, J) = D1(1, J) + D2(1, J)	L081683A	*
i i	•	31 012 000 000	ME001007	2 d
26.5	340		L081683A	8 8
Ŕ	-		L081683A	88
235	,	CON=2. # FLUXIN(3) # (1EXP(-FLUAT(1STF)/30.))	L081683A	83
90 20 20 20 20 20 20 20 20 20 20 20 20 20		DO 350 1=1.1F	L081683A	8
237	33	(D3(1,J) ≠ D3(1,J) ♦ CON	L.081683A	16
9	-		L081683A	45
Č č	ć	10 360 I=1.1F	L0816836	7 0
7 7	3	_	1.0816836	t g
292	360		1.0816836	96
263	-	•	L.081683A	47
264	•	NORTH EDGE	L081683A	86
265	•		L081683A	\$ 3
266	•	IF (FLUXIN(4) : Ed. 0.) GU TU 490	10203840	36
268	• «	I AT FINE SHUM IN REALLY BE IF S. BUT ALL DUANTITIES ARE	L020384A	; 8
269	•	SYMMETRIX, SO WE CAN USE J = JF-	L.020384A	36
270	-		L020384A	9
172		1F41.	L020384A	1
272	-		L0213846	2 8
5/2		(1) (1) (1) (4) (4) (5) (6) (7) (6)	LOZ13848	- 6
27.6		FULL AT 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	10213040	6.0
276	405	D2(1,J)=28011H1(1,J) = 26AK0 (1,J,2)	L021384B	5
277	-		L021384B	t T
278		FONE A TO THE TEN (4)	10213848	9,6
580		D((1,1)=(1,1) + 1.	L021384B	86

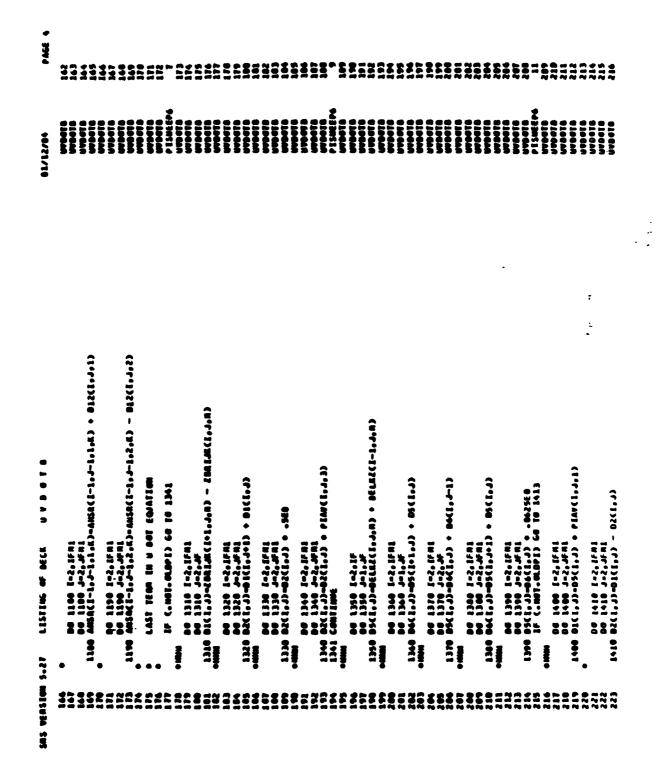
ooo sasido i deca uvodid is edited faon spl. file Created on 07/13/19 af 10:43:39 Last updated on 07/27/03 af 10:25:20 bf sas version 5.27 Lancarde: user information:

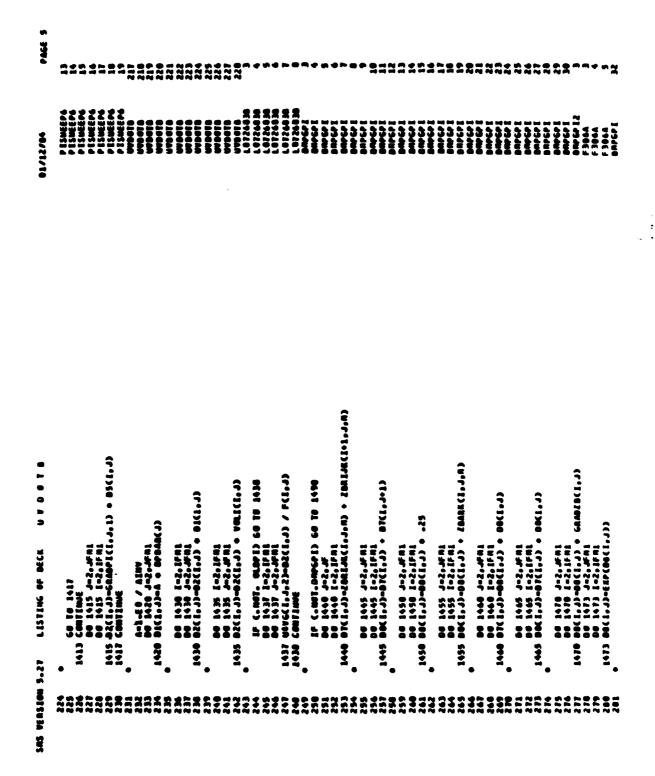
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12107	-
0.005101	410474
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3	MARGATINE WYSOTOKK)
2	317
3	
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1.2).032(IFP1,JFP1.2) .chapricif.JF.2) .chapricif.JF.2)	1.2).6 32(1FF1, JFF1, 2) .6AAP1(1F, JF, 2) .6AAP1(1F, JF, 2)	1, 2), 0 32([FF1, JFF1, 2) , 64A0F1(IF, JF, 2) , 64A0F1(IF, JF, 2)	6.	1.2).032(ff1.Jf01.2) .cdA0F(clf.Jf.2) .cdA0F(clf.Jf.2)	6. 27. 5.32(1991, JP91, 2) 6. 67 AM 00	6- by Am oo	4. 2). 6 32([FF1, JFF1, 2)
1.23.632(1Ft.JFt.2) .64A0F(1F.JF.2) .64A0F(1F.JF.2)	64A0F(1F-JF-2)	64 07 AM 00	64A07(1F.JF.2)	6.	64 by AM 00	64 by Amb on	6. by Amb on
* ************************************	8	8 9 10 1	* * * * * * * * * * * * * * * * * * *	8 9 10 1			
0	* OFF 10 **	1.45 Will Ge D7 And D8	1.45 WSE OF D7 And O8	25 die 01 die 02 die 03 die 03 die 04			
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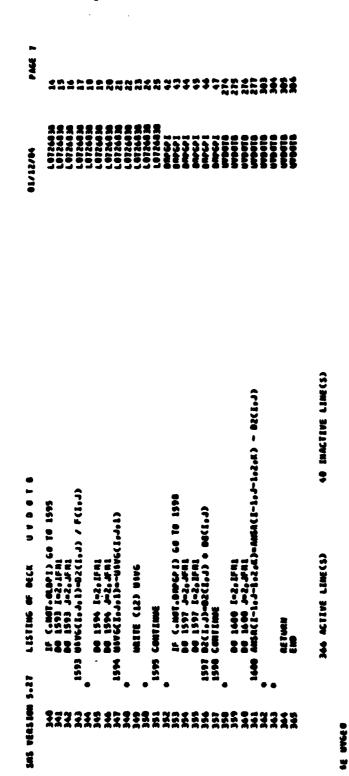




Ì 00 1495 1=2-1Fn1 00 1495 J=2-JFn1 4M54(1-1-J-1-1-AM54(1-1-J-1-1-R) - D2(1-J) 80 1510 1-2-1F 80 1510 1-2-1F41 81(1-1)-264146(1-1-1-1) - 286146(1-1-1) 1963 CONTINUE 00 1965 L-2.JFN1 1969 02(1,J)-GAROFI(1,J.2) • 05(1,J) 1967 CONTINUE 80 1540 1-2,1F81 86 1540 3-2,3F81 1540 01(1,3)-01(1,3) 0 F1AV(1,3,3) 90 1550 1-2-1FB1 90 1550 3-2-3FB1 1550 B2(1,3)-05(1,3) • PIM(1,3,2) 1520 1520 1-2,1F41 150 1520 1-2,4F41 1520 02(1,1)-01(1-1,1) + 01(1,1) DØ 1592 I=2.1F#1 DØ 1592 J=2.JF#1 D2(I, J)=D2(I, J) • VOLI(I, J) 00 1500 1-2, IF N1 00 1500 1-2, JF N1 1500 03(1, J)=01(1, J) • 0(AAR(1) 1F (.ndt.alet) 60 10 1563 1412 00 1415 1-2,1611 1415 02 11-2,1611 1415 02 11-3,1611 00 1540 1-2.1Fn1 00 1540 1-2.4Fn1 1540 02(1,1)-02(1,1) - 01(1,1) 00 1590 1-2.1FH1 00 1590 J-2.JFH1 1590 02(1,1)-02(1,1) 0 03(1,1) 1530 01(1,1)-02(1,1) 0 -360 1916 1-2, 1FR1 1916 1-2, JFR1 1916 11(1, J)-CAR(J) • A LISTING OF DECK 60 10 1567 sas vension 5.27

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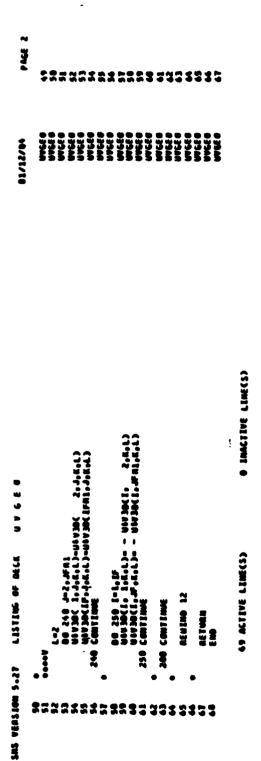
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Appendix B

TAPER JSL to Produce Combined

Data Set and Listing of TAPER2

/ SET N=1

/ RGET FT61F001.AFF1L/IND/SAI/SEFTJ1/USER/NEDN/CL1MAT

53 54

TWODATA

THODATA

CREATED ON O	2/15/84 AT 15:37:12 LAST UPDATED ON 02/15/84 AT 15:37:12 BY SMS VERSION 5.27 USER INFORMATION:		
1	/ COM	TWODATA	1
2	/ COM MACROS:	TWODATA	2
3	/ COM	TWODATA	3
4	/ COM GET IS LIKE ASG	TWODATA	4
5	/ COM ROET IS LIKE REL AND THEN ASG	TWODATA	5
6	/ CON PUT IS LIKE CATV	TWODATA	6
7	/ COM SEE IS LIKE FOSYS	TWODATA	7
8	/ CON	TWODATA	8
9	/ CON PT IS THE PATH FOR THE TAPER OBJECT LIBRARY	THODATA	9
10	/ 00%	TWODATA	10
11	/ LIMIT MIN=2	TWODATA	11
12	/ RGET OBULIB, PT/OBULIB	TWODATA	12
13	/ REL SYS.LHOD	THODATA	13
14	/ LIK	THODATA	14
15	LIBRARY OBJULIB	TWODATA	15
16	INCLUDE TAPER2	THODATA	16
17	/ REL FT31F001+FT32F001+FT33F001+FT34F001+FT35F001+FT36F001	TWODATA	17
18	/ REL FT41F001.FT42F001.FT43F001.FT44F001.FT45F001.FT46F001	TWODATA	18
19	/ REL FT51F001+FT52F001+FT53F001+FT54F001+FT55F001+FT56F001	THODATA	19
20	/ REL FT71F001.FT72F001	THODATA	20
21	/ RGET FT61F001,000/NAVY/NORDA/WARNA1/FNDCTAPE/SA10CN1	TWODATA	21
22	/ SET N=L	TMODATA	22
23	/ REL FT06F001	TWODATA	23
24	/ FD FT06F001,BAND=2/20/2	THODATA	24
25	/ FD FT71F001,BAND=4/50/4	TWODATA	25
26	/ FXQT CPT=(I),LTP=(99,99,N),ADDNEN=24K,CPTINE=6000	TWODATA	26
27	80€	TWODATA	27
28	IS=05, IE=28, JS=13, JE=51,	THODATA	28
29	YEAR=76, MONTH=10, DAY=29, HOUR=0,	TWODATA	29
30	DT=24.,NT=1.NCATST=7,	THODATA	30
31	SIGNAD=T,	THODATA	31
32	CATNO='810+','P14+','P15+','P16+','P17+','P18+','P19+',	TWODATA	32
33	10 0	THOOATA	33
34	/ COM	THODATA	34
35	/ COM OUTPUT ON FT71F001	THODATA	35
36	/ CON	THODATA	36
37	/ IF TERM.NE.O.ERR	TWODATA	37
38	/ SEE N.FTOGFOOI, NAME=FILEGONE	TWODATA	38
39	/ RGET OBJLIB-PT/OBJLIB	TWODATA	39
40	/ REL SYS.LHOO	THODATA	40
41	/ LIK	THODATA	41
42	LIBRARY OBJLIB	THODATA	42
43	INCLUDE TAPERS	TWODATA	43
44	/ REL FT31F001,FT32F001,FT33F001,FT34F001,FT35F001,FT36F001	TWODATA	44
45	/ REL FT41F001,FT42F001,FT43F001,FT44F001,FT45F001,FT45F001	TWODATA	45
46	/ REL FT51F001+FT52F001+FT53F001+FT54F001+FT55F001+FT56F001	THODATA	46
47	/ COM - TARETO (INTERES) - STATE - STA	TWODATA	47
48	/ COM TAPERS WRITES ON FT72 -> CHANGE SO THAT WE WILL APPEND	THODATA	48
49	/ CON	THODATA	49
50	/ REL FT72F001	TWODATA	50
51	/ RENAME FT71F001,FT72F001	TWODATA	51
52	/ FD FT72F001.P05=H00	TWODATA	52

THODATA S3 FD FTOGFOOL BRIDD=2/20/2 THODATA S4 S5 FD FTOGFOOL BRIDD=2/20/2 THODATA S5 S5 FD TOGFOOL BRIDD=2/8/F, CPT INE=4000 THODATA S7 S5 S6 S6 S6 S6 S6 S6 S6	SHS VERSION S	5.27 LISTING OF DECK TWODATA	02/15/84	PAGE 2
ST	55	/ REL FT04F001	THODATA	53
### Second Control Thiodata Second Control Second	56	/ FD FT04F001,BAND=2/20/2	TWODATA	56
THODATA THODATA THODATA SP	57	/ FXQT QPT=([),LTP=(99,99,N),ADDMEN=24K,CPTINE=4000	TWODATA	57
60 NPM*20, SIGNAD=T, 61 4EDB 61 4EDB 61 5EAJ 62 T SEAJ 63 TO400 J 64 TO600 J 65 T0800 J 66 T1000 J 66 T1000 J 67 T1500 J 68 T2000 J 68 T2000 J 68 T2000 J 69 T3000 J 70 T4000 J 70 T4000 J 71 T5000 J	58	₩.	TWODATA	58
61	59	IS=05, IE=28, JS=13, JE=51,	TWODATA	59
62 T SEAJ 63 T0400 J THODATA 62 64 T0600 J THODATA 64 65 T0800 J THODATA 65 66 T1000 J THODATA 65 66 T1000 J THODATA 66 67 T1500 J THODATA 67 68 T2000 J THODATA 69 70 T4000 J THODATA 69 70 T4000 J THODATA 69 70 T4000 J THODATA 70 71 T5000 J THODATA 70 71 T5000 J THODATA 71 72 S0000 J THODATA 72 73 S0050 J THODATA 73 74 S0100 J THODATA 73 75 S0200 J THODATA 75 76 S0600 J THODATA 75 77 S1000 J THODATA 75 78 S2000 J THODATA 76 79 S3000 J THODATA 77 78 S2000 J THODATA 77 78 S2000 J THODATA 77 79 S3000 J THODATA 77 78 S2000 J THODATA 77 78 S2000 J THODATA 77 79 S3000 J THODATA 77 78 S2000 J THODATA 77 79 S3000 J THODATA 77 78 S2000 J THODATA 78 79 S3000 J THODATA 79 80 S4000 J THODATA 79 81 S5000 J THODATA 81 82 / IF TERM.NE.0.ERR 83 / PUT FT72F001.US/INITILDTA 82 83 / PUT FT72F001.US/INITILDTA 82 84 / SEE N.FT04F001.FT33F001.FT33F001.FT35F001.FT35F001 85 / REL. FT31F001.FT32F001.FT33F001.FT35F001.FT35F001 86 / REL. FT31F001.FT32F001.FT33F001.FT35F001.FT35F001 86 / REL. FT31F001.FT42F001.FT35F001.FT35F001.FT35F001 87 THODATA 83	60	NPN=20, SIGNAD=T,	TWODATA	60
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72	70	T4000 J	TWODATA	70
73	71			
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82 / IF TERM.NE.O.ERR TMODATA 82 83 / PUT FT72F001,US/INITLDTA TMODATA 83 84 / SEE N.FT06F001,NAME=FILE6TMD TMODATA 84 85 / REL FT31F001,FT32F001,FT34F001,FT35F001,FT36F001 TMODATA 85 86 / REL FT41F001,FT42F001,FT43F001,FT45F001,FT46F001 TMODATA 86	90	S4000 J	THODATA	90
83 / PUT FT72F001,US/INITLDTA TMODATA 83 84 / SEE N,FT06F001,NAME=FILE6TMD TMODATA 84 85 / REL FT31F001,FT32F001,FT33F001,FT34F001,FT35F001,FT36F001 TMODATA 85 86 / REL FT41F001,FT42F001,FT43F001,FT45F001,FT46F001 TMODATA 86	81	\$5000 J	TWODATA	81
84 / SEE N.FT06F001.NAME=FILE6TND TNODATA 84 85 / REL FT31F001.FT32F001.FT33F001.FT34F001.FT35F001.FT36F001 TNODATA 85 86 / REL FT41F001.FT42F001.FT43F001.FT45F001.FT46F001 TNODATA 86	82	/ IF TERM.NE.O.ERR	TWODATA	82
85 / REL FT31F001,FT32F001,FT33F001,FT34F001,FT35F001,FT36F001 TMDDATA 85 86 / REL FT41F001,FT42F001,FT44F001,FT45F001,FT46F001 TMDDATA 86	83	/ PUT FT72F001.US/INITLDTA	TWODATA	83
86 / REL FT41F001,FT42F001,FT43F001,FT44F001,FT45F001,FT46F001 TMDDATA 86	84	/ SEE N.FTO6F001.NAME=FILE6TWD	THODATA	84
	85	/ REL_FT31F001+FT32F001+FT33F001+FT34F001+FT35F001+FT36F001	TWODATA	85
87 / REL FT51F001,FT52F001,FT53F001,FT54F001,FT55F001,FT56F001 TMDDATA 97	86	/ REL FT41F001,FT42F001,FT43F001,FT44F001,FT45F001,FT46F001	TWODATA	86
	87	/ REL FT51F001,FT52F001,FT53F001,FT54F001,FT55F001,FT56F001	THODATA	87
88 /ERR NOP TWODATA 98	88	/ERR NOP	THODATA	98

88 ACTIVE LINE(S)

0 INACTIVE LINE(S)

\$88\$ SNS167 : PDS DIRECTORY FOR NEWSPL FILE SUCCESSFULLY UPDATED FOR DECK TWODATA

SAS VERSION 5.27	LISTING OF DECR TAPER 2	•1/15/0	:	9 466
0+0 585109 3 DCCK TAPER2 15 E. CREATED 08 07/31/80 AT 10113:40 LAMEDAGE 8	TAPER2 IS EDITED FROM SPL FILE O AT 10113140 LAST UPDATED ON O+/O+/O3 AT 11146125 OF SAS VERSION 5-27 USER EMFORMATION:	2		
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vension 5.27	LISTING OF DECK TAPER 2	91/21/10	6 3544
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126		FAPER2	611
171		TAPERS	971
		146622	171
•	410 C00710UE	140642	[2]
_		1 APER 2	**
2	THIS FILE MAS A TIME THAT IS YOU EARLY. SO SHIFT	TAPERZ	571
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2		140682	
2		TAPERZ	171
2	D6 428 NR=NS NR	I APE N.2	76
	420 bring Schrind Schrift Schrift	TAPERZ	133
		71111	1
	934 FORMAT (" FILE ".12." WILL DE SETPPED ONE ENTRY")	TAPER2	96
•		FAPERZ	137
1.5	IF (DIIMES(MICH) .Eq. TIME) 60 TO 430	TAPERZ	136
2:	CDINESCRION) .LT. TIMES 60 TO	745642	
	F MC GDE (GDE - 0 11 a 0 4 a	TAPER 2	=
	931 FORMAT FILE AT CONDEST TIME (".18") CAMMOT BE FORMS FOR CAT BE	TAPER 2	~
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	Unit 8007	TAPERZ	151
150		781481	× •
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= 3		I APE R.	25
3	(000 0)) (001 0) (001 0)	TAPER2	155
:	11.11.00	TAPER2	154

s vension 5.27	LISTING OF DECK TAPER 2	•1/13/04	P AGE +
223	DAY = M GD (1, 1, 1, 0, 0,) 1 = 1, 1, 1, 0, 0 Mat. M DAY = 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	147642	151
	14. [7. 4]	TAPERZ	33:
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211	TE (STEMEN GO TO 465		~ •
_	IF (HI.EQ.1) WRIE(71) WIREAL -JOYN-MO-DATONN-IS-IR-JS-AR MAINE(71) JOYN-MO-DAVONN-IS-IR-JS-AR	12001 12001 10001	-3=
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131 • • • • • • • • • • • • • • • • • •	. Continué		5≈
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		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	11:
	ves call fractions is teached and by a line ',10," IS'.//) 926 Febral (////,10%, Calalog number ",44," at line ',10," IS'.//)		123
	9 CONTINUE	100602	1
- 202 202	IF (MINEAL .LT. 2) GO TO 525	7010101	2":
.	DO 570 BEARENT PROFILE TO DESCRIPT OF THE PARTY OF THE PA	7562	17.1
\$ \$	If (Float(1)-1E-DI) 6010 520	140602	=
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		10062	2:
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		TAPER2	125
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0011 777 777		TAPENZ TAPENZ	

13 INACTIVE LINE(S) ORAL (714,12,120,84,742,13,760,11 CABTAN) CALL STOPP(LABEL) 240 ACTIVE LINE(S) LISTING OF DECK SAS VERSION 5.27

Appendix C

Plotting Routines

11/13/10 oco sasios : DECA COMINT IS EDITED FAOM SPL FILE CAEATED ON 00/01/03 AT 11:06124 LAST UPDATED ON 06/01/03 AT 11:06:24 BT SAS VEASION 5.27 LAMBORGE: SUBROUTINE CONINT(A,V,M,S1,S2) DIRENSION R(N),V(N) CONNON/CINT1/CVALUE CALL CONCAV(K,V,M,CVALUE) SAS VEASION 5.27 LISTING OF DECK

O ENACTIVE LINE(S)

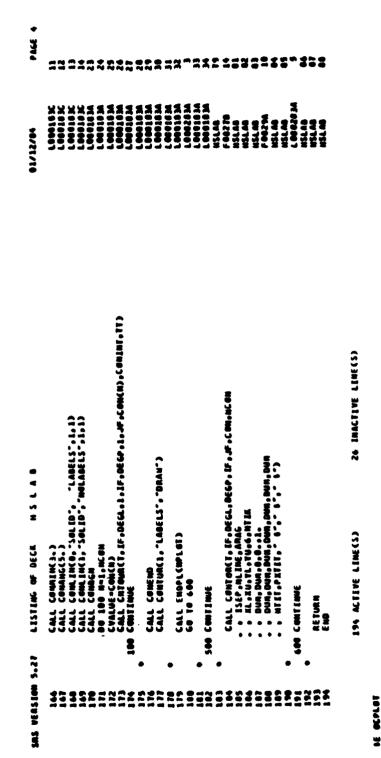
6 ACTIVE LIME(S)

ME MSLAB

C∸1

1157106 0F 06C4 N 5 L A 0 1160066613	90/15/00	14 97150		** TRIM				+ X23087	5 VE 07000 T	A 220001			▼ 970907	200000							- 0000007		70000			MSLAD 53								C 9000000	+ VE05001	5 7(060007	4 444444	~ ~~~~~						1,0005034							•~ VE050001	**************************************	9 VE 980897	
	A 1 S H NO BECK H S L A	• DECP(2 3) •			-1-67	· 210-12		-1-1-217	2P212-0-	707067		00 25 Inloth	DO 25 J-10-3F	£4 74		202 LF-48	25 Constant		227	777		25 (ML 186 .50.8) M. 186 156 0 0.2		CASE STREET STRE	C CONTROL OF CONTROL OF THE PART AND	HC=1. / FLOAT(RCOM - 1)	96 35 1st. #Cor	A 21 A 81 BATCHCALL 1 A 4	· · · · · · · · · · · · · · · · · · ·			•	•	COAPERD CO TO		1			į	וו	Į	ă	ì	4 1		CALL 11115/15 0-1000000000011101111	CALL ENGER(1)			CALL GARF(XL, SCALE - SCALE - OTU)	CALL FRAME			

110m 5.27	27 LISTING OF DECK N S L A B	01/11/04	PAGE 3
:	CALL CONLINCO, "SOLID", "LABELS",1,1)	7.00001	74
2	CALL COMLIN(1, 'SOLID', 'NOLABELS', 1, 1)	1.0605034	2
=	CALL COMBCR	L000583A	~
=======================================	D0 42 M=10 NC 0NZ	L00053A	2
~	CAPINE - CONT (#)	L 06050 3A	52
=		L 00050 JA	2
:	42 Continue	T000283V	Z
511	•	T 0002834	~
2	Call Comeno	L000583A	2
11	CALL CONTUR(1, LABELS', DRAW')	T.00020	ž
=	•	T 000503A	2
=	CALL EMBPLEMPLET)	T 06050 34	ž
2		-L080583A	~
₹		T 000503V	2
	43 CONTINUE	VE 958897	2
		L 00050 JA	;
≈	CALL CONTON(20.120-0866L-0866P.1F. JF. CONL. M.CONL	MSLAB	7
2	•		~:
:			7
	•		•
			• •
2			•
		W 1 2 M	- 1
		A 151	3
12		4 15 M	3
1	DO CONTINUE	MSLAB	3
2		MSLAB	2
2	READ (3) T	NST VB	=
~	•	MST WO	~
2	• De PL6111M6	02 F 90	21
2			٤:
3	FF (RCGE: EQ. 0) CO TO TO	V6050701	~ ·
=	GEORGE CONTROL CANADA C		^ 2
.	CHICAGO (Included to the Communication of the Commu		: -
			- 5
	TO SECURE A	7.0000	-
	-	7.010007	•
2	. •	W.010001	•
_	CALL	W010001	=
•	CALL BASALF("L/CSTAM")	VE 910107	=
<u>\$</u>	CALL REMALF("STAND")	VE 010001	2:
<u>.</u>	CALL BLOWNYCL-25		2:
2			
	נשרר פושכונה:		2
		X 4 1 4 4 4 1	-
		36 01 0 0 0 V	•
		X 010001	•
	CALL E2064(1)	L00010 X	•
66	CALL 086 L (0 - 1 -)	X 010007	~
3	CALL TITLE(MIII100. LONGITUDES 100. LAITUDES 100	T 00010 X	•
.			•
3	CALL GRAF(AL, "SCALE", HU, "SCALE", TU)	VC 0C 0 00 0	- <u>4</u>
3			: ~
:	CALL BCONONISCOS		: ~
2			;



```
ooo sasiay e deca ocplot is edited faom spl. File
Caeated on oo/16/79 at 14:29:22 Last updated on 07/27/83 at 15:21:09 by sas veasion 5.27
Lamburget
```

EIS PREVIOUSIT APPLIED TO SPL: F-25-A F-27-CA F-26-A F-92-1G F-92-9G F-100-9G L-07-270-3D	7514 AP 72744 72744 765290 765290	APLIED	D TO SPL: F282A F85290 F1809G	F2558 F283A F8530E F1229A	F256A F2038 F0714A F1231A	F2560 F284A F0148 F01661C	F257A F205C F073LC F010601E	F261A F01110 F0613C L091502B	F261C F01144 F00148 L0923028	F2630 F91140 F9223A 1992402C	F260A F0513F F0027A L0411838	F2690 F0521C F0027B L072783C
- ~ *		PROCRAN	PROCRAM OCPLOT(ISU) PARAMETER IS=+0,JS=	PROGRAM OCPLOT(ISM) PARAMETER IS=+0.45=30,KS=10	• • •					ا ف	10015020	
7 🗸 (•	DINENSION	130	\$2.02(35)	.03(15.35.		15).Dec115.1	3		6 6	F261A F275A	m m
.	•		(\$7.51)	132306361	1)570(56.05	. DISCISSION (35) (15, 45) (15, 45) (15, 45)	(37:			W	F283A F0822A	
~ •	•	1061CAL R	7	LOGICAL READT.AEADS.PAPEAP/F/ TOPLAY	E 16 /F/					• •	F0521C F0530C	~ •
• •		REALOG LAIM, LAAK, LDIF INTEGER PC(60), 18(60)	LAIM, LA	10000						. E. E	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- ~ ~
3 2		CALL RISTOR	S1 66	LT.PC.10.	CALL RISTOP READ (3) KF.DELT.PC.10.MSTEP.ALSPCT.APSPCT	CT are sect					195362	
2:		IRUN-KF / 1000		: :	•						F010601E	~
:2		MSTEP 0-MSTEP / 10000	NSTEP /									• •
# =		MSTEP	NSTEP = 400(MSTEP.	MSTEP =440(MSTEP,1000) MSTEP==MSTEP= + 1						-	X ::3:	••
=	;		.910	HIN LMAK.	PHIN, PRAK.	READ (2,910) LHIMOLMAK, PHIM, PMAK, IF, JF, HLSPAC, NP SPAC	C. KP SPAC				7023020	•
22	=	_	C. T. 1.	FORMAT (4F7.1.217.1P26.10.3) IF (XLSPCT-ME.XLSPAC .OM. X	0.3) 1. RPSPCT.	førmat (4f7.1.217.1P26.10.3) If (xispct.me.xispac .og. xpspct.me.xpspac) call stopp	CALL STOPP			.	1923628	~~
z :	•	.C. MESH	SP AC IN	E INCOMS I	STENT DETH	MESH SPACING INCONSISTENT BETWEEN SIGNA RUN AND LOATA 1">	VOT OUV UN	ITA 1-3		-	10923626	• •
:2:		11 TOS	P HERE I	DEPENDING	SPLIT UP HERE DEPENDING ON DATA TVPE	2						•
: 2 :		15 CISE	.61.10	IF (ISU.GT.10) 68 TO 1000	2							n • •
:::	•	3) - 1 - 31	•									•••
: 2		4-1-04								• •		•
2:		IF CIFE	1-61-15	.04 . JFP	1.61.35 .0	IF (IFP1-61-15 -OR. JFP1-61-JS -OR. KF-61-KS)	-				F25%	=:
:2:	•	10101					•				25	, ~ •
22	•		50 I-1.IF								F 261A	•
22	? ?		25 625	read(2,920) (/BOT(1,J),J=1,JF) Format (10f7,1)	1.4.						F1884	•
2:			-2. IF								F261A	2:
22:	3		1000	D6(1,1)=240f(1,1) + 250f(1-1,1)	(1-1-1)						F0022A	<u>:</u> ~;
3 ;		00 70 [=2.IF	70 (=2.1F								F 261A F 2614	2 =
; ;	=		(06(1)	1) + 04(1)	05(1.1)-(06(1.1) + 06(1.1-1)) + .25	52					F 261A	
7 5		00 40 J=2,JF 05(1,1)=05(3,1)	-2. JF								F 2414 F 01140	: •
\$	=	_	350-67	(F-1,3)							401140	· v n ;
:		06 96 1-1-1661	11.11.11							Ζ	F261A	77

			19/71/19	~ ***
75	8	05(1-1)-05(1-3)	601149	~ (
;	•		36.56	• •
3	•	SET UP THE RESM	F0529C	•
Z (• (CHOILE TAIS IS THE RESA LOCATED AT THE TS POINTS, AND IS	F0529C	•
X 5	• •		F0524C	••
Z	,	CONST-1., # 57.29578	F0524C	••
S			10923028	=
20		CALL MESASTOOL IFFILMING THAT GRESPACELS	#207260 T	=:
: 3		CALL MESMST(62, JFP1, PRIM, PRAX, NPSPAC, 1)	10923028	: 2
3		DO 93 1-101F01	F-95.9C	=
3	~	D1(1)=D1(1) • Censt	1.0923628	2
5 3	1	00 % J=1,Jf01	F0529C	21
13		_	7707707	• =
3	35	FORMAT (20% LONGITUDE	10923020	2
3	756	Found (201," LATITUDE MESHE")	10923020	2
3:		OF (152-BE-1 - ABC 154-BE-2 - ABC 152-BE-3)	F 05.21C	•
;		office blocks and willies of the block of the circles of	96674	= "
::		IT CLOSERGES OUTS TOURS TOUR CONTROL C	70101	-
3			FZ61A	. 52
=		CAL SURFICES B13.B14.1FP1.JFP1.JFP1.A1M.PHIM.PHIM.PHIM.PHIM.	F0114A	-
2		· · NP LOI. DS. LS. JS. IRUM. RL SP AC. NP SP AC.)	70023658	~
2		CALL STSLCE(1FP1, JFP1, KF. 01, LAIN, LMAN, 02, PRIN, PRAK	F.276A	~ •
۲z		. • 5>5/50/300KLI.IMMT/ CALL SETWO(81.1691.82.4691.85.15.15.15.25.KF.8611.1811)		•=
: ≥		CALL MSERCECOS SERVED SERVED SOLS SERVED SERVED SOLS SERVED SOLS SERVED SOLS SERVED SOLS SERVED SOLS SERVED SERVED SOLS SERVED SERVED SERVED SERVED SOLS SERVED SERVE	£ 0022A	•
2			31090102	71
2 :	• •	TH THE CALLS TO CATE THE ABELWENTS ABE - BART MINDED.	F 2024	3
2 2	•	CHANGE TOTAL AND CONTROL OF THE TAX O CHANGE AND CHANGE OF THE PARTICION O	4505	•
1=	• •	TIPE, AND INCOMENTION TO BE PERFORED.	72027	••
7	•		F255	2
3			T-05 UOE	••
£ ;				- :
64		######################################	46074 46074	==
1=	•		F2550	~
3		1F (PC(13).E4.0) GO TB 100	F2558	2
2 3		IF (MGO(LSTP.PC(L))).EQ.O .AMD. ISTP.6E.IB(L))		: •
;		otaki bukrotabulbulan iring siring kanangan kanangan kanangan kanangan siring kanangan saring saring saring sa 	97957697	*
?	3		F2550	*
2 :	•			
: 2		IF (FC(ST)-CQ-G) 60 10 120 IF (RDD([STP-PC(17))-KE-0 -06. ISTP-LI-18(17)) 60 10 120	F203A	2
*		CALL SLICE(b) IFP1, JFP1, KF, D1, D2, 27, " (T)EAPENATURE ", NPLOT	F2036	: '
::		- OLLIVIOISTPOLOLOPAPERPOLOPLATO	F03 50E	• •
: 5		CALL VPRFL(0), IFP1, JFP1, JFP1, JFP1, CT)EAPERATURE	F 205C	•
9		MPLOT, DELT, 15TP. US, 15. JS.P.	F05.1C	2:
= 2	•			? *
Ē		1f (PL(18).Eu.0) to 10 130	F2550	S
ĭ		IF (MOD(ISTP.PL(18)).Mt.0 .dR. [STP.Lf.[B(18)) .G To 130	F203A	•

C

PAGE IN THE CALLS TO SLICE THE LAST & ARCHERTS ARE PLOT NUMBER. SELT. UNICH DERIVATIVE & AT THE BOTTOM, STEP NUMBER, DATA TYPE. AND THE SPERATION TO BE PERFORMED. If (tsd.mt.1 .amo. isd.mt.2 .amo. isd.mt.3)
.cail storp('ado value of load trat prarries in dirlost')
If (tsd.cu.3)
.cail storp('ado value of load trat prarries in dirlost')
If (tsd.cu.3) Particula.
.cail storp('as) Particula. 56 TO 1536 ## (PC(28).EQ.0) 60 TO 1120

(Ad. State) Follows o .M. 137P.LV.HA(20)) to 70 1120

(Ad. State) Follows o .M. 137P.LV.HA(20)) to 70 1120

(Ad. State) Follows of the Administration of the Adm #F (PC(38)-EQ-0) GG TE 1150

JF (ROD(1STP-PC(14))-RE.O.-CA. ISTP-LY.IB(30)) GG TG 1150

CALL SLEE(D3) H. JF-RF-01:02-17. (U) GEOSTROPHIE ", MPLGT

CALL YPPERTORNERS TO TOPELATOR CONTROPHIE ", MPLGT

CALL YPPERTORNERS TO TOPERTORNERS TO TOPERTORNERS "

1156 CONTRACT ## (PC(33).EQ.0) G0 f0 1140
(#00(157P.PC(33)).ME.0 .00. ESFP.LF.IB(33)) G0 T0 8140
Gatt #StA0(D3.IF.JF.D9.15.JS-D8.002
...
#StA0(D3.IF.JF.D9.15.JF.MP.E0T.PAPERP.JRUM) 1F (PC(29).Eq.q) to 1130

1A. (PC(29).Eq.q) to 1130

LAL VPEC(20).E JF JF KF 91.62.15, (V) VELOCITY

. DECT 1317-2-3.PAPERD 100LAY

. DECT 1317-2-3.PAPERD 100LAY

. DECT 14. 1317-2-3.PAPERD 100LAY

. DECT 17. 1317-2-3.PAPERD 100LAY

. DECT 17. 1317-2-3.PAPERD 100LAY

. DECT 18. 1317-2-3.PAPERD 1 207130 TOPLAT - FALSE. Do 1200 ISTP-HSTEPO, MSTEP LISTING OF DECK 1140 CONTINUE 5.27 sas veesion

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L

C-9

10 to 10 to

119 IMACTIVE LINE(S) 1200 CONTINUE 15 C.NOT.PAPERP) CALL DOMEPL 510P EMD 225 ACTIVE HINE (S) Sas veasion 5.27 Listing of Beck 777 577 777 777 M SK10

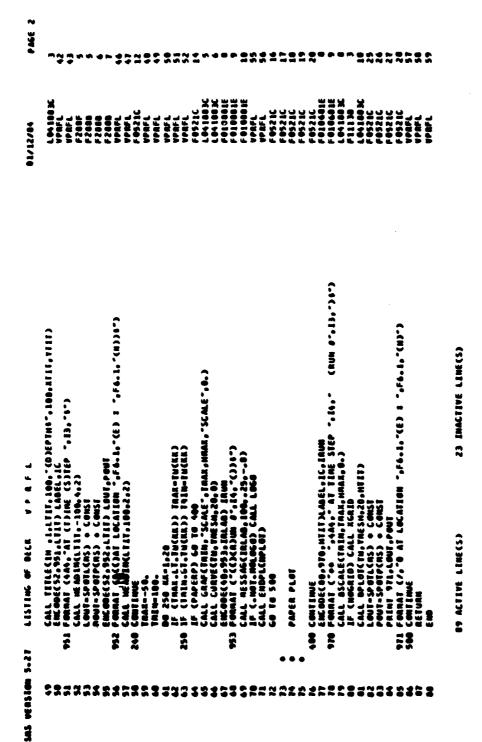
91/11/10 150 CONTINUE DO 200 K=1.KFH1 NA-K + .5 200 SIG(K)-(KK - 2.) / (KF - 2.) SAS VERSION 5.27 LISTING OF DECK AETURE END 2

O INACTIVE LINE(S)

69 ACTIVE LINE(S)

DE VPRFL

Sas vension 5.2?	CISTING OF DECK VPRFL			11/2/14	1 3544
CANCOLE: CAEALED ON 10/12/79 A	VPOST. IS EDITED FROM SPL FILE 19 AT 1772/2150 USER INFORMATION:	sas version	17.5		
MODSETS PREVIOUSLY APP FOLOGOLE LOCALDS	į	IC F1113A	F11130	F1229C	f010601E
- 24	SUMMOUTHE VERFICE SEPTEMENTS - WELDISELT. IC. 15 12 15 15 15 15 15 15 15 15 15 15 15 15 15			F0521C F0521C VP0FL	m + N1
•••	1422	(3715)		F010601E F010601E F010601E	~ ~ ~ ~
•	LOGICAL MOCHENOLOGOPAPERP HF (KF-67-KS1ZE) -CALL STOPP("ARRAYS TOD SRALL IN VPMFLE")			F0521C F1229C F1229C F1229C	• • • •
•				F1229C VPBFL VPRFL F2888	* * • • •
•	IF (NSP 01-EQ. 0) RETURN 00 500 NS-1-NSP07 00 150 NS-1-NSP07 1-IS(NS) - N - 1 - (N/3) 0.2			1211 2222 2222	- 2 3 2 2
Ĭ	J-15(45) • (A/3) 10 (48-16,10) 10 (48-16,10) 10 (48-16,10) 10 (48-16,10) 10 (48-16,10)			1325 1325 1326 1326 1326	1222
 23	TRESH IS NEGATIVE BO 120 KR=1,20 VS.[C.AL.OC(1 TRESH(RR.) • DELTI) • LOGZBI VS.[C.AL.OC(1 TRESH(RR.) • DELTI) • LOGZBI D VKKR.N-SPLINE (VS.[C.S.]G.]U.VZ.KFRI.)			15 15 15 15 15 15 15 15 15 15 15 15 15 1	~****
•	DO 200 KK-1,20 TECKA-14(KK,1)-(1,-PARTICES))-(1,-PARTJCES)) - (14(KK,2)-(1,-PARTICES))-(1,-PARTJCES)) - (14(KK,2)-(1,-PARTICES))-(1,-PARTJCES)) - (14(KK,2)-(1,-PARTICES))-(1,-PARTJCES)) - (14(KK,2)-(1,-PARTICES))-(1,-PARTJCES)) - (14(KK,2)-(1,-PARTICES))-(1,-PARTJCES))			1,506,7 1,506,7 1,506,7 1,506,7 1,506,7 1,506,7	~~ ~ ~ ~ ~ ~
118777777777	= 3 33333332			1	

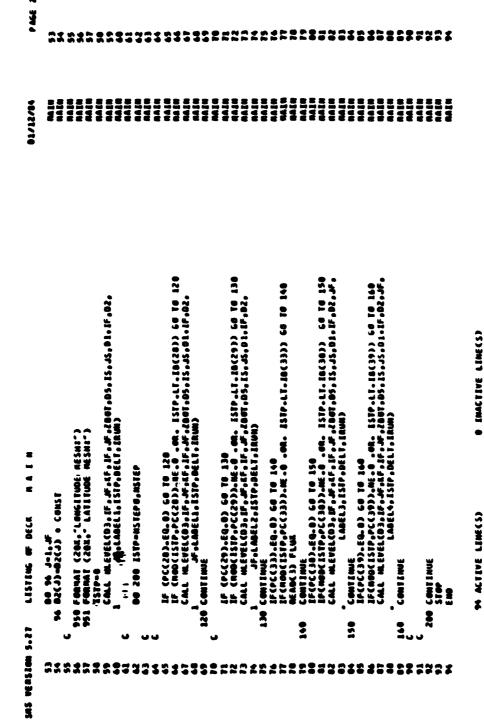


Appendix D

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Main Program for UVPLOT

394		= N F 4	****	122122	1	; 222	:	77 77777
•1/12/0•								
NIVU UDJO 40 PHISIT 42°5 MOISUSA SUS	000 SMS109 1 BECK MAIN IS EDITED FROM SPL FILE CAGATED ON DIJIZ/84 AT 11131104 LAST WPDATED ON BL/12/84 AF 11133114 BT SMS VERSION 5.27 LAMBORDER	1	9	2223	•	CALL STORP("ARANTS ARE TOO STALL IN OCOLOTS")		42 C SET UP THE RESH 43 C (MOTE: THIS IS THE RESH LOCATED AT THE TS POINTS, AND IS 44 C (MOTE: THIS IS THE RESH LOCATED AT THE TS POINTS, AND IS 45 C CONST-L. / 57.29570 47 PRINT 950 48 CALL RESHST(01, IF, LHIM, LMAX, ALSPAC, 0) 49 PRINT 951 50 CALL RESHST(02, JF, PRIN, PRAX, APSPAC, 0) 51 DO 93 1-1, IF



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A COLOR DE LA COLOR DE CONTRACTOR DE LA COLOR DE LA CO

ooo sasidt 3 pds birectory for meuspl file successfully updated for deck nain

Appendix E

Listings Required for Mediterranean Tests

CREATED ON 02/15/84 AT 11:19:03

AGE	UBER INFURNATION:		
i	/ FXL LIBRARY-S/OBJLIB	TOPOG	1
2	PROGRAM BOTTOM	TOPOG	2
3	1	TOPOG	3
4	1	TOPOG	4
5	s sessesses solution domain sessesses	TOPOG	5
6	1 1111111111111111111111111111111111111	TOPOG	6
7	1 1111111111111111111111111111111111111	TOPOG	7
8	1 10:0:::::::::::::::::::::::::::::::::	TOPOG	8
9	1	TOPOG	9
10		TOPOG	10
11	\$ T(1) T(2) T(I) T(IFP1)	TOPOG	11
12		TOPOG	12
13	1 1 1 1 1	TOPOG	13
14	\$ Z(1) Z(2) Z(1F)	TOPOG	14
15	•	TOPOG	15
16		TOPOG	16
17	# THE ACTUAL SOLUTION DOMAIN HAS IF-2 INTERVALS AND RUNG FROM	TOPOG	17
18	T(2) TO T(IF). (T(1) AND T(IFP1) ARE EXTRA POINTS.)	TOPOG	18
19	\$ 10 STANSSTEE INT T ALS ON SECURE STANS A LIAM SHOWS	TOPOG	19
20	* 7 IS STAGGERED WIT T AND IS DEFINED FROM A HALF NESH CELL	TOPOG	20
21	TO THE LEFT OF THE DOMAIN TO A HALF NESH CELL ON THE RIGHT.	TOPOG	21
22	\$ BE PASS TO ROUTINE INTRP ACTUAL LOCATIONS IN DETREES, WERE	TOPOG	22
23	The state of the s	TOPOG	23
24	· · · · · · · · · · · · · · · · · · ·	TOPOG	24
25 26	THAN THE DOMAIN BY A HALF NESH CELL ON ALL SIDES. SINCE THE DATA BASE POINTS ARE LOCATED ON THE HALF DETREE, IT	TOPOG	25
		TOPOG	26
27 28	IS BETTER TO PASS VALUES LOCATED AT N + 1/2.	TOPOG	27
29 29	SUBROUTINE HESHST IS IN THE MAIN SIGNA CODE	TOPOG	28
30	\$ SUBMOUTHE RESIDENT TO THE THEIR STURM LANG.	TOPOG TOPOG	29
31	PARAMETER PIF=83,PJF=20	TOPOG	30
32	DINENSION Z (PIF, PJF), DREC (301, 91), LAN (PIF), PHI (PJF)	TOPOG	31 32
33	REAL 84 LAN, LNAX, LNIN, LDIF	10P06	
34	NAMEL IST/DOMAIN/LMAI, LMIN, PMAX, PMIN, IF, JF, XLSPAC, XPSPAC	TOPOG	33 34
35	\$ ************************************	TOPOG	35 35
36	CALL RESTUP	TOPOG	36
37	XLSPAC=0.	TOPO6	36 37
38	IPSPAC=0.	TOPOG	37 38
39	READ (5, DOMAIN)	TOPOG	39
40	IF (IF.GT.PIF .OR. JF.GT.PJF) STOP 888	TOPOG	40
41	PRINT 902, LHIN, LIMAX, PHIN, PHAX, IF, JF	TOP06	41
42	902 FORMAT (1H1.' THE DOMAIN RUNS FROM '.F6.1	TOPOG	42
43	, ' DEBREES EAST TO ',F6.1,' DEBREES EAST, AND '	TOP06	43
44	. F6.1, DEGREES NORTH TO ',F6.1, DEGREES NORTH, ',/	TOPOG	44
45	. 1HO.' THE MESH IS (IF=) '.13.' BY (JF=) '.13.'.')	TOPOS	45
46	IF (XLSPAC.NE.O.) PRINT 905, XLSPAC	TOPOG	46
47	IF (XPSPAC.NE.O.) PRINT 906. XPSPAC	TOP06	47
46	905 FORMAT (//, ' THE CENTRAL LUNGITUDE SPACING IS ', 1PE10.3	TOPOG	48
47	, ' DEBREES')	10P06	49
50	906 FORMAT (//.' THE CENTRAL LATITU DE SPACING IS ', 1PE10.3	10P06	50
51	, ' DERREES')	TOPOG	51
52	REVING 1	TOPOS	52 52
53	REJINO 2	TOPOS	23
54	READ (1) DREC	TUPOB	54

LAST UPDATED ON 02/15/94 AT 11:19:03 BY SHE VERSION 5.27

946 VERSION	5.27	LISTING OF DECX TOPOG	02/15/84	PAGE 2
55		CALL NESHET (LAN. IF, LININ, LINAX, XLSPAC.O)	TOPOG	55
56		CALL MESHET (PMI, JF, PMIN, PMAX, XPSPAC, 0)	TUPOG	56 56
57		IFMI=IF - 1	RIPOG	57
59		FN1=F - 1	TOPOG	58
59		00 200 I=2, IFM1	TOPOG	59
60		DO 200 J=2,JFH1	TOPOG	60
61	20	O CALL INTRP(Z(I,J),LAN(I),PHI(J),DREC)	TOPOG	61
62			TOPOG	62
63	10	O CONTINUE	TOPOG	63
64			TOPOG	64
65		FIX UP BOUNDARIES	TOPOG	65
66			TOPOG	66
67		00 210 J=2,JFH1	TOPOG	67
68		I(2 ,J)=1.	TOPOG	68
69	21	0 Z(IFM1,J)=1.	TOPOG	69
70			TOPOG	70
71		00 220 I=2, IFHI	TOPOG	71
72	22	0 7(1,2)=1.	TOPOG	72
73	C		TOPOG	73
74		00 230 1=15, IFM1	TOPOG	74
75	23	0 Z([,JFH1)=1.	TOPOG	75
76			TOPOG	76
77	1	DO BOUNDARIES	TOPOG	<i>77</i>
78	8		TOPOG	78
79		00 300 J=2,JFN1	TOPOG	79
80		I(1,J)=I(2,J)	T0P06	90
81	30	O Z(IF.J)=Z(IFM1.J)	TOPOG	81
82		00 350 I=1.IF	TOPOG	82
83		I(1,1)=I(1,2)	TOPOG	93
84	35	D Z(I,JF)=Z(I,JFH1)	TOPOG	84
85	1		TOPOG	85
86		MAKE LAND INTO SHALLON WATER	TOPOG	86
87			TOPOG	87
88		90 400 J=1,JF	TOPOG	98
89		00 400 I=1, IF	TOPOG	89
90		O IF (Z(I,J).LE.1.) Z(I,J)=1.	TOPOG	90
91	1		TOPOG	91
92		PUT IT UP	TOPOG	92
93	ı	99 618 17-4 9	TOPOG	93
94	C	00 510 II=1.2	TOPOG	94
95	C	LU-48II - 2	TOPOG	95 04
96 97		LU=2 NRITE (LU, 904) LMIN, LMAX, PMIN, PMAX, IF, JF, XLSPAC, XPSPAC	TOPOG	96
· 98	06	4 FURNAT (4F7.1,217,1PZE10.3)	TOPOG	97 55
99	74	00 500 I=1, IF	TOPOG TOPOG	98 99
100	-	0 MRITE(LU,903) (Z(I,J),J=1,JF)		
101		S FORMAT (18F7.1)	T0P06 T0P06	100 101
102		O CONTINUE	TOPO6	102
103	1	A COMITMOR	TOPOG	103
104	•	CALL PRT (0, 'DEPTHES', Z, PIF, P.F, 1, 1, TRUE., 0)	10P06	104
105		THE STATE OF THE PARTY OF THE P	TOPOG	105
106	•	STOP	TOPOG	106
107		51 4 *	10P06	107
108		SUBROUTINE INTRP (Z,LAM,PHI,D)	TOPOG	108
107	1	CONTRACTOR STATE VENETIFIED	10P06	109
110	i	THE DATA IS LOCATED AT 10' INTERNALS. THE LOWER LEFT	10P06	110
111	i	CONCER IS AT -10 DEB E. AND +30 DEB N.	TOPOG	111
112	i	ACTUAL TO US TA RES CO LAS AND RES NO	10P06	112
112	•		iurus	114

113 \$ IL AND JL ANE THE INDICES OF THE NEIT LONG DATA BREE POINT. SI TUPOG 114 114 \$ AND SLAME THE FRACTIONS THAT THE ACTUAL POINT IS ABOVE IL AND TUPOG 114 115 \$ JL. THAT IS IF SI=.5. THEN THE ACTUAL POINT IS MALF MAY BETMEEN TUPOG 115 116 \$ IL AND ILL+1. TUPOG 117 118 DIMENSION DIGO1.91) TUPOG 117 119 REALFA LAN-LOOR 110 110 DATA LOOR-10./.POOR/30./ TUPOG 120 121 \$ IL=FIX(IL) TUPOG 121 122 \$ IL=IFIX(IL) TUPOG 122 123 IL=IFIX(IL) TUPOG 124 124 IF (ILLI,I.) OR. IU.GT.301) CALL STOPP TUPOG 125 126 .('YOUR RESION DOES NOT LIE COMPLETELY ON DATA SET \$') TUPOG 127 127 \$ SI=DL - FLOAT(IL) TUPOG 127 130 JUP-LE +1 TUPOG 129 131 JUP-LE +1 TUPOG 131 132 IF (JL.LT.1.OR. JU.GT.91) CALL STOPP TUPOG 131 133 JUP-LE +1 TUPOG 131 134 SI=P - FLOAT(JL) TUPOG 132 135 SI=I SI 136 SIR=I SI 137 SL=IP - FLOAT(JL) \$ SIR \$ SLR 138 SIR=I SI 139 Z=Z + D(IL-JL) \$ SIR \$ SLR 140 Z=Z + D(IL-JL) \$ SIR \$ SLR 140 Z=Z + D(IL-JL) \$ SIR \$ SLR 141 Z=Z + D(IL-JL) \$ SIR \$ SLR 141 Z=Z + D(IL-JL) \$ SIR \$ SLR 141 TUPOG 144 142 \$ TUPOG 144 143 \$ TUPOG 144 144 Z=Z + D(IU-JL) \$ SIR \$ SLR 149 TUPOG 144 140 Z=Z + D(IU-JL) \$ SIR \$ SLR 141 TUPOG 144 141 Z=Z + D(IU-JL) \$ SIR \$ SLR 141 TUPOG 144 142 \$ TUPOG 144 143 \$ TUPOG 144	
114	
115	
116	
117 \$ 10706 118 119 119 119 119 119 118 119 119 119 120	
118	
119	
120 DATA LODR/-10,/.PCDR/30./ 10POB 120 121 8	
121 \$	
IL= LAM-LCOR)	
123 IL=IFIX(XL) 10FUS 124 124 IU=IL + 1 10FUS 124 125 IF (IL.LT.1. OR. IU.GT.301) CALL STOPP 10FUG 125 126 .(' YOUR REGION DOES NOT LIE COMPLETELY ON DATA SET \$') 10FUG 126 127 SI=XL - FLOAT(IL) 10FUG 127 128 XP=(PMI-PCOR) \$ 6. 10FUG 128 129 XP=(PMI-PCOR) \$ 6. 10FUG 130 131 JI=JL + 1 10FUG 131 132 IF (JL.LT.1. OR. JU.GT.91) CALL STOPP 10FUG 132 133 .(' YOUR REGION DUES NOT LIE COMPLETELY ON DATA SET \$') 10FUG 133 134 SJ=XP - FLOAT(JL) 10FUG 134 135 8 10FUG 135 136 SIR=1 SI 10FUG 137 138 Z= D(IL,JL) \$ SIR \$ SJR 10FUG 137 139 Z=Z + D(IL,JL) \$ SIR \$ SJR 10FUG 140 141 Z=Z + D(IU,JL) \$ SIR \$ SJ 10FUG 141 142 8 10FUG 142 143 8 10FUG 143 144 3 10FUG 144 145 146 147 147 146 147 147 147 148 149 144 148 149 144 149 140 141 140 141 142 8 141 142 8 143 8 10FUG 143 144 144 145 145 145 145 146 147 147 146 147 147 147 147 148 149 148 149 144 149 140 140 140 141 142 8 140 141 142 8 141 142 8 141 142 8 142 143 8 143 8 10FUG 143 144 145 145 145 145 145 145 145 145 146 147 147 147 147 148 148 148 148 148 148 149 149 148 140 141 141 140 141 142 141 141 142 141 141 142 141 141 141 142 141 141 141 144 141 141 141 145 145 145 145 146 147 147 147 147 148 147 147 148 149 141 149 141 141 140 141 141 140 141 141 141 141 141 141 142 141 141 144 141 141 141 145 141 141 141 145 141 141 141 146 141 141 141 147 141 141 141 148 141 141 141 149 141 141 141 140 141 141 140 141 141 140 141 141	
10-11 + 1 10-12 124 125 15 (IL.LT.1 .OR. IU.GT.301) CALL STOPP	
125	
127 128 129 129 129 129 129 129 130 128 130 131 132 155 156 157 132 157 133 134 135 137 138 138 139 139 139 130 130 131 131 131 132 157 138 138 139 139 139 139 139 139 139 139 139 139	
TOPOG 128 TOPOG 129 TOPOG 129 TOPOG 129 TOPOG 129 TOPOG 129 TOPOG 130 TOPOG 130 TOPOG 131 TOPOG 131 TOPOG 131 TOPOG 132 TOPOG 132 TOPOG 132 TOPOG 132 TOPOG 133 TOPOG 133 TOPOG 134 TOPOG 134 TOPOG 135 TOPOG 135 TOPOG 136 TOPOG 136 TOPOG 137 TOPOG 137 TOPOG 138 TOPOG 138 TOPOG 139 TOPOG 140 TOPOG 141 TOPOG 142 TOPOG 142 TOPOG 143 TOPOG 143 TOPOG 144 TOPOG TOPOG 144 TOPOG	
129	
127	
130	
131	
132	
133 .(' YOUR REGION DOES NOT LIE COMPLETELY ON DATA SET \$') 134 S.J=XP ~ FLOAT (JL) 135 \$ 136 SIR=1 SI 137 S.R=1 SJ 138 I= D(IL,JL) \$ SIR \$ S.R 139 Z=Z + D(IL,JU) \$ SI \$ \$ S.R 140 Z=Z + D(IU,JL) \$ SIR \$ \$ S.J 141 Z=Z + D(IU,JU) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
134 SJ=XP ~ FLOAT (JL) 135 \$ 136 SIR=1 SI 137 SJR=1 SJ 138 I= D(IL,JL) \$ SIR \$ SJR 139 Z=Z + D(IL,JU) \$ SI \$ \$ SJR 140 Z=Z + D(IU,JL) \$ SIR \$ \$ SJ 141 Z=Z + D(IU,JU) \$ SI \$ \$ SJ 142 \$ 143 \$ 143 \$ 144 TOPOG 143	
135	
136	
137	
138	
139	
140	
141 Z=Z + D(IU,JU) \$ SI \$ SJ TUPOG 141 142 \$ TUPOG 143 143 \$ TUPOG 144	
142 \$ 10P06 143 143 \$ 10P06 144	
143 \$ TOPOS 144	
TIME 144	
144 RETURN	
145 £90 145	
144. / JE F.NE.O.SKIP JUPUG 146	
147 / RGET FTO1F001.S/MTDPO	
148 / REL FT02F001, FT04F001, SEE T0P06 148	
149 / FD FT07F001 -1 RFC=124, RKS7=2520, FDRG=PS, RCFN=FBS 149	
150 / GXT (UPDG 130	
151 ADDMAIN 10POG 151	
152 INTM=10., LNAX=37., TUPOS 152	
153 PNIMEZZ., PMAX=38., TOPOG 153	
154 IF=R3, JF=20, TUPUG 154	
155 YI 998C=0., YPSP8C=0.,	
156 AENG TOPOS 156	
157 / PUT FT02F001.S/ZDATA 10P0G 157	
158 / PUT SEE.S/T1 TOPOG 158	
159 /SKIP NOP 159	

159 ACTIVE LINE(S)

O INACTIVE LINE(S)

\$88 996167 : POS DIRECTORY FOR NEWSPL FILE SUCCESSFULLY UPDATED FOR DECK TOPOG

SOK LOCATION, ACTION-ADD

USER INFORMATIONS

CREATED ON 02/15/84 AT 11:19:04

LANGUAGE:

/ LINIT MIN-2 LOCATION 1 / FXL LIBRARY-PT/OBJLIB LOCATION 2 LOCATION 3 DIMENSION XLAT (63,63), XLONG (63,63), D(63,63) LOCATION CALL RISTOP 5 RD=180. / (4.\$ATAM(1.)) LOCATION LOCATION 1 CALL GRIDC(1.63.1.63.XLDNB.XLAT.D) 7 LOCATION 8 XLONG=XLONG + RD LOCATION 8 9 XLAT =XLAT # RD LOCATION 10 ŧ LOCATION 10 LOCATION 11 0=0. 11 DO 10 J=1.63 12 LOCATION 12 13 00 10 1=1.63 LOCATION 13 IF ((XLAT(I,J).GE.32. .AND. XLAT(I,J).LE.38.) .AND. 14 LOCATION 14 (XLONG(I.J).GE.10. .AND. XLONG(I.J).LE.37.)) D(I.J)=1. 15 LOCATION 15 10 CONTINUE 16 LOCATION 16 17 LOCATION 17 18 IS=0 LOCATION 18 19 15 IS=IS + 1 LOCATION 19 90 20 J≈1,63 20 LOCATION 20 IF (D(IS.J).EQ.1.) GO TO 25 21 LOCATION 21 20 CONTINUE 22 LOCATION 22 **60 TO 15** 23 LOCATION 23 24 25 CONTINUE 24 LOCATION **25** LOCATION 25 1E=64 LOCATION 26 26 27 30 IE=IE - 1 LOCATION 27 28 DO 35 J=1,63 LOCATION 28 29 IF (D(IE.J).EQ.1.) GO TO 45 LOCATION 29 30 35 CONTINUE LOCATION 30 31 GO TO 30 LOCATION 31 32 45 CONTINUE LOCATION 32 33 LOCATION 33 34 JS=0 LOCATION 34 35 50 JS=J6 + 1 LOCATION 35 36 00 55 I=IS. IE LOCATION 36 **37** IF (D(I.JS).EQ.1.) GO TO 60 LOCATION 37 55 CONTINUE 38 LOCATION 38 39 60 TO 50 LOCATION 39 40 60 CONTINUE LOCATION 40 41 LOCATION 41 42 JE=64 LOCATION 42 43 65 E=E - 1 43 LOCATION 44 DO 70 1=15, IE LOCATION 44 45 IF (0(1.JE).69.1.) GO TO 75 LOCATION 45 46 70 CONTINUE LOCATION 46 47 00 TO 45 LOCATION 47 48 75 CONTINUE LOCATION 48 49 49 LOCATION 50 JH-JS + JE LOCATION 50 51 00 200 I=IS. IE LOCATION 51 **52** LOCATION 52 33 00 90 J-J6.JE LOCATION 53 54 LOCATION 54

LAST UPDATED ON 02/15/84 AT 11:19:04 BY SMS VERSION 5.27

36	VERSION 5	.2	•	LISTING OF DECK LOCATION	02/15/94	PAGE 2
	35			IF (D(I,J).EQ.1.) GO TO 95	LOCATION	35
	56		90	CONTINUE	LOCATION	56
	57	1			LOCATION	57
	58		95	CONTINE	LOCATION	58
	59			00 100 J-J6.JE	LOCATION	59
	60			14H - J	LOCATION	40
	61			IF (D(I,JL),ED.1.) GO TO 105	LOCATION	61
	62		100	CONTINUE	LOCATION	62
	63	ŧ			LOCATION	63
	64		105	CONTINE	LOCATION	64
	65			PRINT 902. I. JB. JL	LOCATION	65
	66		902	FORMAT (' AT I= ',12,' J RUNG FROM ',12,' TO ',12)	LOCATION	66
	67		200	CONTINUE	LOCATION	67
	68	1			LOCATION	68
	69	1		LEAVE AN EXTRA CHE ALL THE WAY AROUND FOR THE INTERPOLATION	LOCATION	69
	70	1			LOCATION	70
	71			IS=IS - 1	LOCATION	71
	72			IE=IE + 1	LOCATION	72
	73			JS=JS - 1	LOCATION	73
	74			E=E + 1	LOCATION	74
	カ	1			LOCATION	75
	76			PRINT 901, IS, IE, JS, JE	LOCATION	76
	77		901	FORMAT (' IS=', I2, ' IE=', I2, ' JS=', I2, ' JE=', I2)	LOCATION	π
	78			20	LOCATION	78
	79	1	OXT		LOCATION	79
	90	1	COM	ANGIER:	LOCATION	80

80 ACTIVE LINE(S)

O INACTIVE LINE(S)

*** SMS167 : PDS DIRECTORY FOR NEMSPL FILE SUCCESSFULLY UPDATED FOR DECK LOCATION

SOK INITIAL, ACTION-ADD

96 VERSION 5.3	27 LISTING OF DECK I	NITIAL	02/15/84	PAGE 1
CREATED ON 02/ LANGUAGE:	15/84 AT 11:19:05 USER INFORMATION:	LAST UPDATED ON 02/15/84 AT 11:19:05 BY SHS VER	SION 5.27	
1	/ GET COLLIB-PT/COLLIB		INITIAL	1
2	/ LIK		initial	2
3	LIBRARY OBJETS		INITIAL	3
4	INCLUDE TAPERS		INITIAL	4
5	/ TAPEREAD SEEDPT=D. TAPEPA	TH-N/CLIMAT. CATPATH-S/INITLDTA:	initial	5
6	RUNTINE=2000.FILESIZ	E=20.LQABV=\$	INITIAL	6
7	LONE		INITIAL	7
8	IS=45, IE=50, JS=3	1. _E=40 .	INITIAL	8
9	NPN=20, SIGNAD=T,		INITIAL	9
10	120		initial	10
	r seaa		initial	11
	T0400 A		initial	12
	T0600 A		INITIAL	13
	T0800 A		INITIAL	14
-	T1000 A		initial	15
16	F1500 A		initial	16
17	12000 A		initial	17
	T3000 A		initial	18
19	T4000 A		initial	19
20	15000 A		initial	20
21	50000 A		initial	21
22	60050 A		initial	22
23	50100 A		initial	23
	60200 A		initial	24
	60600 A		initial	25
26	51000 A		INITIAL	26
27	52000 A		INITIAL	27
28	53000 A		INITIAL	28
29	54000 A		INITIAL	29
30	S5000 A		INITIAL	30

30 ACTIVE LINE(S)

O INACTIVE LINE(S)

\$88 SH8167 : PDS DIRECTORY FOR NEWSPL FILE SUCCESSFULLY UPDATED FOR DECK INITIAL

SOK FORCING.ACTION-ADD

SHE VERSION !	5.27 LISTING OF DECK FORCING	02/15/84	PAGE 1
CREATED ON 02/15/84 AT 11:19:06 LAST UPDATED ON 02/15/84 AT 11:19:06 BY SRS VERSION 5.27 LANGUAGE: USER INFORMATION:			
1	/ REET OBALIB-PT/OBALIB	FORCING	1
2	/ UK	FURCING	2
3	LIBRORY CRALIB	FORCING	3
4	INCLUSE TAPER	FORCING	4
5	/ TAPEREAD TAPEPATH-N/SAIATH2, CATPATH-S/FORCING.;	FORCING	5
6	RUNTINE=4000.FILES17E=20.LQADV=\$	FORCING	6
7	IOE	FORCING	7
8	YEAR=77, MIDITH=1, DAY=7, HOUR=0,	FORCING	8
9	19=45, IE=50, JS=31, JE=40,	FORCING	9
10	NT=56, DT=6.,	FORCING	10
11	SIGNAD=T, A27A29=T,	FORCING	11
12		EUDCING	12

12 ACTIVE LINE(S) 0 INACTIVE LINE(S)

111 996147 : POS DIRECTORY FOR NEWSPL FILE SUCCESSFULLY UPDATED FOR DECK FORCING

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